

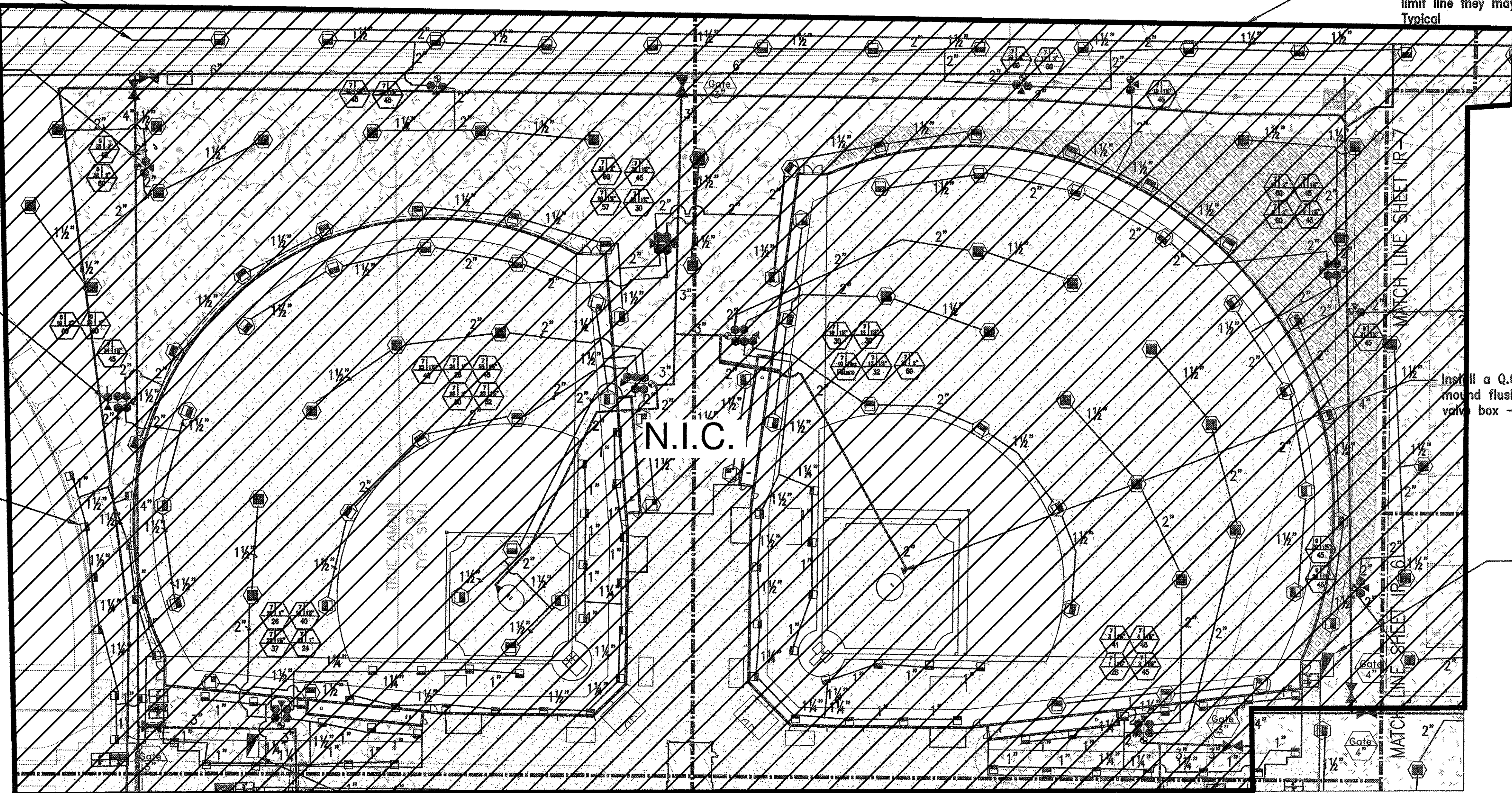
Connect to existing lateral installed in phase 2

Valves installed in phase 2 connect to the valves and install new work as needed. see phase 2 plans for exact location of valves

Valves installed in phase 2 connect to the valves and install new work as needed. see phase 2 plans for exact location of valves

Contractor to verify the extent of phase 2 installation and adjust layout to use those sprinklers and lateral piping if previously installed - typical

LIMIT OF WORK SEE PHASE 2 PLANS



Approximate limit of work install all sprinklers as shown regardless of which side of the limit line they may be shown. Typical

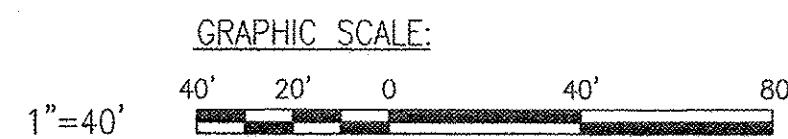
Install a Q.C. valve behind pitchers mound flush to grade without a valve box - Typical

Controller 9 Contractor to install a 40 Station pedestal mounted field controller at approximate location shown. See electrical plans for 120v power to controller.

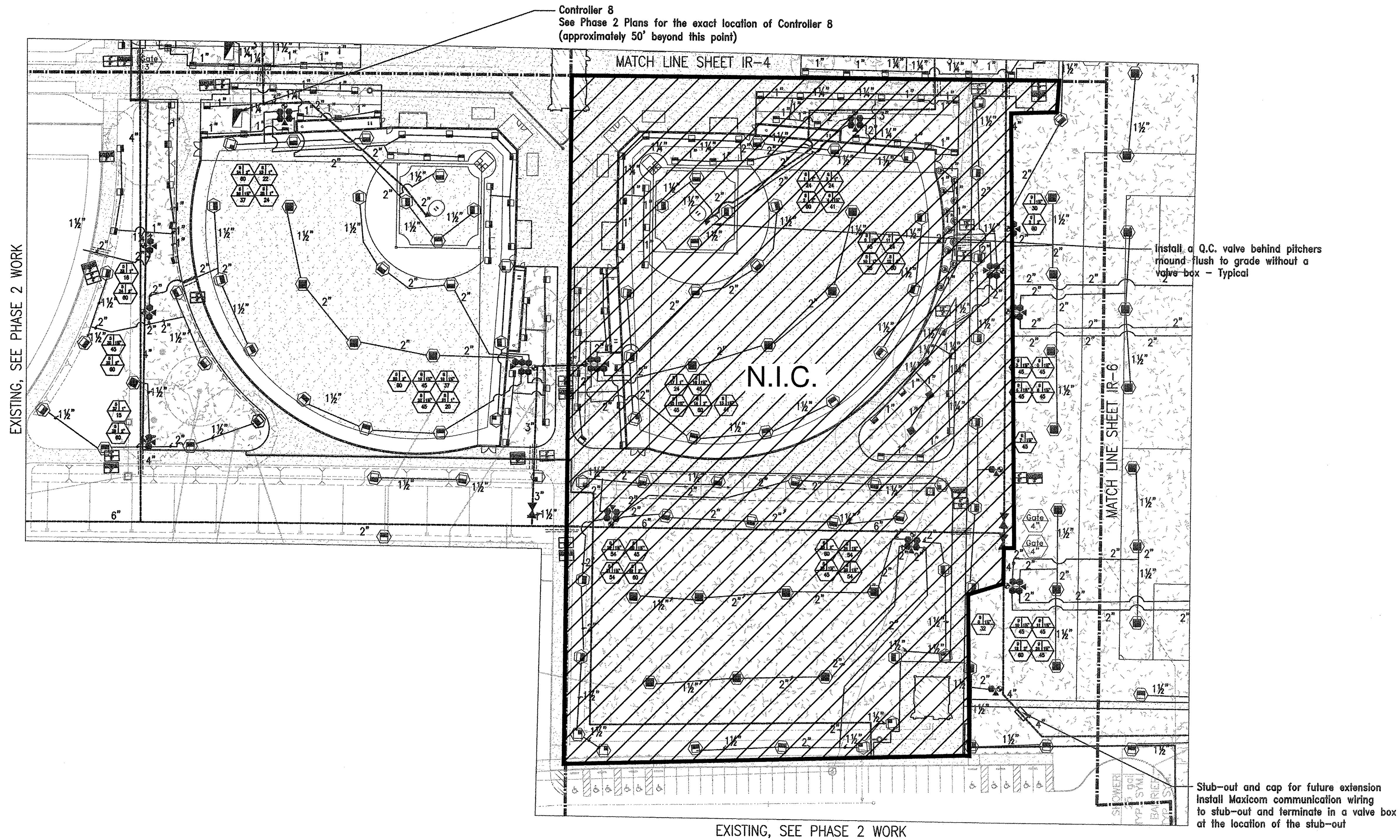
Controller 7 Contractor to install a 40 Station pedestal mounted field controller at approximate location shown. See electrical plans for 120v power to controller.

MATCH LINE SHEET IR-5

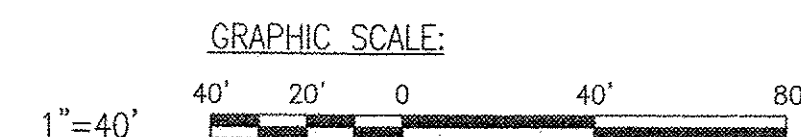
1 IRRIGATION PLAN 4
SCALE: 1" = 40'



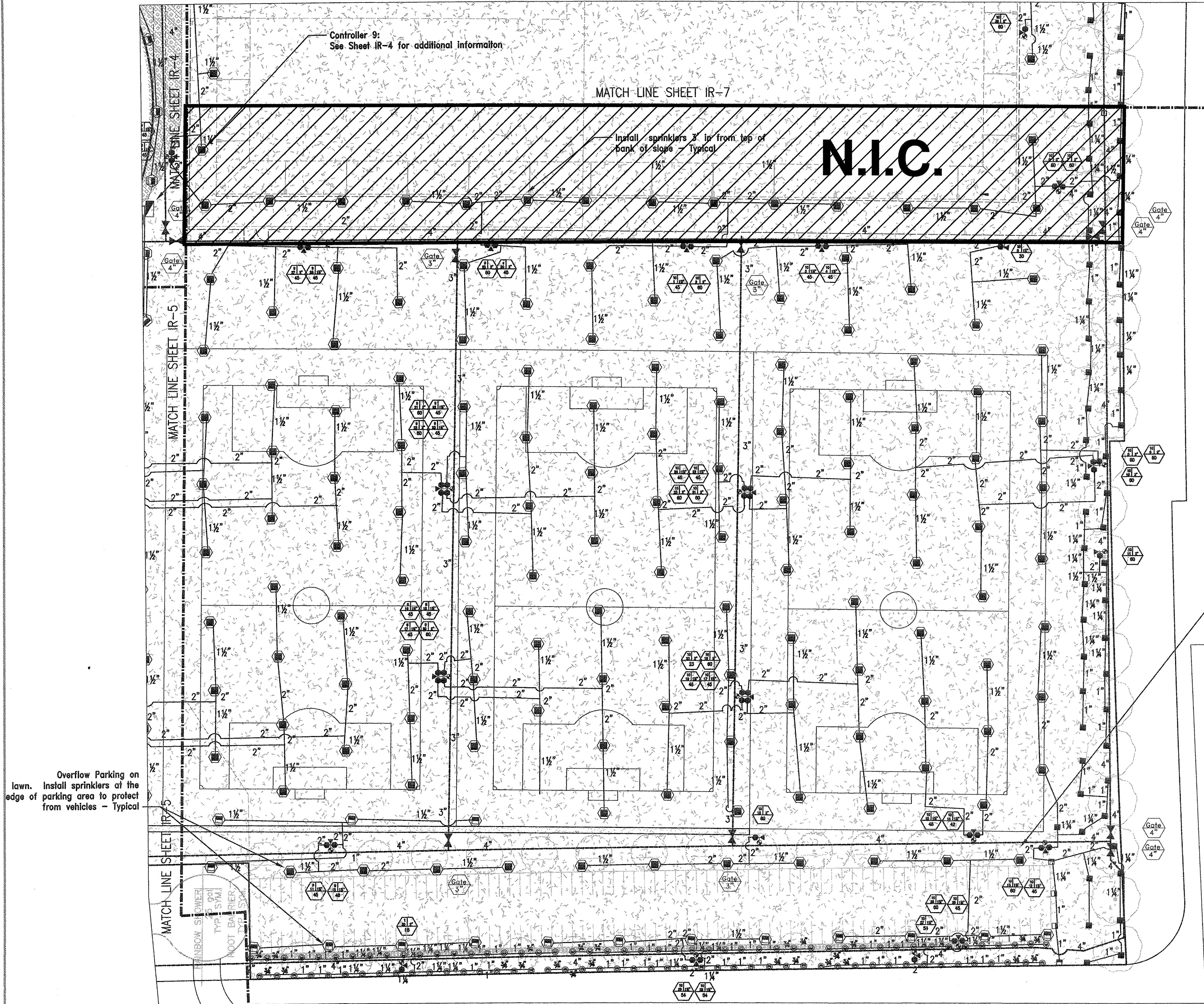
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED								
<div><div><p>ALLAN G. SCHILDKNACHT CERTIFIED IRRIGATION DESIGNER No. 340384 COMMERCIAL</p><p>THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.</p><p><i>Allan G. Schildknacht</i> SIGNATURE 4/30/16 EXP. DATE</p></div><div><p>STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION CENTRAL MAUI REGIONAL SPORTS COMPLEX PHASE 4 WAILUKU, MAUI, HAWAII IRRIGATION PLAN 4</p><table><tr><td>DESIGNED: AGS</td><td>SUBMITTED: </td></tr><tr><td>DRAWN: AGS/PPS</td><td>DATE: AUGUST 2016</td></tr><tr><td>CHECKED: AGS</td><td>SCALE: 1" = 40'</td></tr><tr><td>APPROVED: </td><td>DATE: AUG - 8 2016</td></tr></table><p>R. M. TOWILL CORPORATION CHIEF ENGINEER</p></div></div>						DESIGNED: AGS	SUBMITTED:	DRAWN: AGS/PPS	DATE: AUGUST 2016	CHECKED: AGS	SCALE: 1" = 40'	APPROVED:	DATE: AUG - 8 2016
DESIGNED: AGS	SUBMITTED:												
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APPROVED:	DATE: AUG - 8 2016												
			DRAWING NO. IR-4										



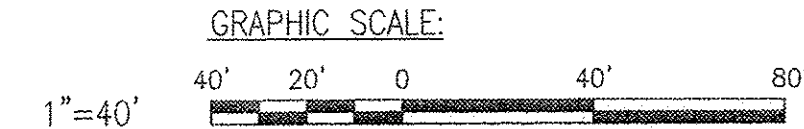
1 IRRIGATION PLAN 5
SCALE: 1" = 40'



REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED						
<div style="display: flex; justify-content: space-between;"> <div style="width: 20%;"> <p>ALLAN G. SCHILDKNECHT REGISTERED PROFESSIONAL ENGINEER No. 340384 DESIGNER COMMERCIAL</p> <p>THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.</p> <p>Signature: <i>Allan G. Schildknecht</i> DATE: 4/30/18</p> </div> <div style="width: 80%;"> <p>STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION CENTRAL MAUI REGIONAL SPORTS COMPLEX PHASE 4 WAILUKU, MAUI, HAWAII IRRIGATION PLAN 5</p> <table border="1" style="width: 100%;"> <tr> <td>DESIGNED: AGS</td> <td>SUBMITTED: <i>rd</i></td> </tr> <tr> <td>DRAWN: AGS/PPS</td> <td>DATE: AUGUST 2016</td> </tr> <tr> <td>CHECKED: AGS</td> <td>SCALE: 1" = 40'</td> </tr> </table> <p>APPROVED: <i>[Signature]</i> DATE: <i>8/2/2016</i></p> <p>R. M. TOWILL CORPORATION CHIEF ENGINEER</p> </div> </div>						DESIGNED: AGS	SUBMITTED: <i>rd</i>	DRAWN: AGS/PPS	DATE: AUGUST 2016	CHECKED: AGS	SCALE: 1" = 40'
DESIGNED: AGS	SUBMITTED: <i>rd</i>										
DRAWN: AGS/PPS	DATE: AUGUST 2016										
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<p>JOB NO. F93C817E</p>					<p>DRAWING NO. IR-5</p>						



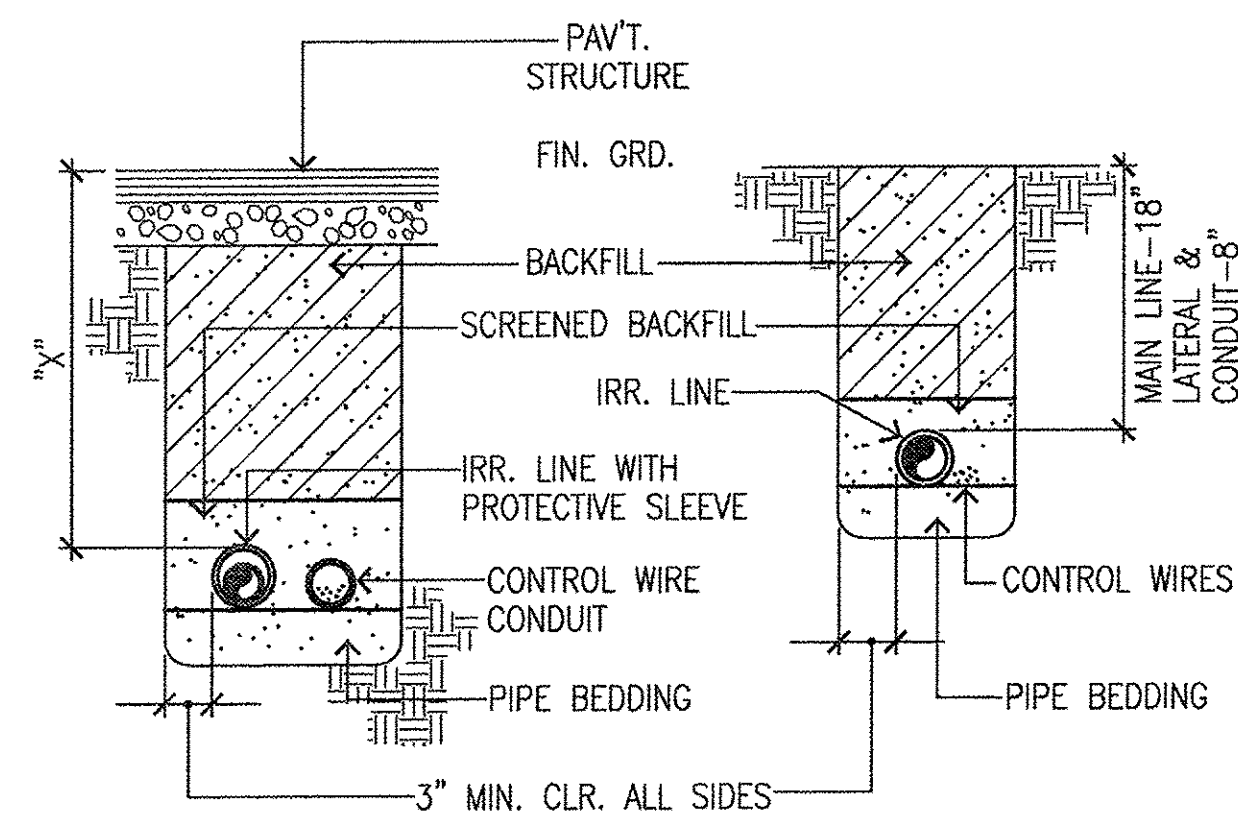
Controller 10:
Contractor to install a 40 Station pedestal mounted field
controller at approximate location shown. See electrical
plans for 120v power to controller.



1 IRRIGATION PLAN 6
SCALE: 1" = 40'

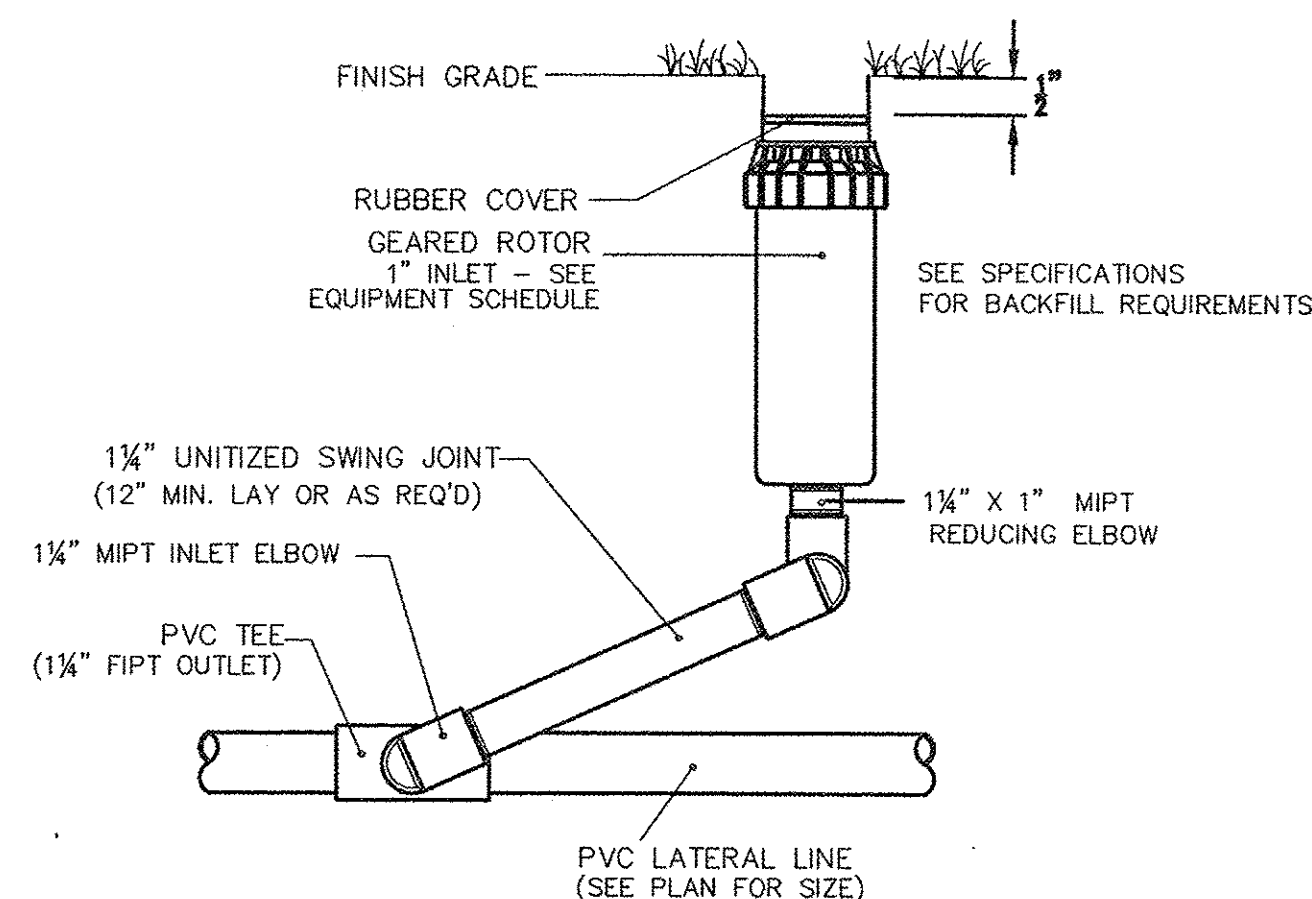
NORTH

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
<div><div><div><div>ALLAN G. SCHILDKNECHT CERTIFIED IRRIGATION DESIGNER No. 340384 CONTRACTOR</div><div><div>THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.</div></div></div><div><div>Signature: <i>Allan G. Schildknecht</i> EXP. DATE: 4/30/16</div><div><div>R. M. TOWILL CORPORATION <small>Planning • Engineering • Construction • Construction Management • Construction Inspection</small> 805 S.W. 1133 20th Avenue, Suite 200 Fort Lauderdale, FL 33304</div></div></div></div><div><div>STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION CENTRAL MAUI REGIONAL SPORTS COMPLEX PHASE 4 WAILUKU, MAUI, HAWAII IRRIGATION PLAN 6</div><div><div>DESIGNED: AGS DRAWN: AGS/PPS CHECKED: AGS APPROVED: <i>[Signature]</i> CHIEF ENGINEER</div><div><div>SUBMITTED: <i>[Signature]</i> DATE: AUGUST 2016 SCALE: 1" = 40'</div><div>DRAWING NO. IR-6 DATE: AUG - 8 2016</div></div></div></div></div>					

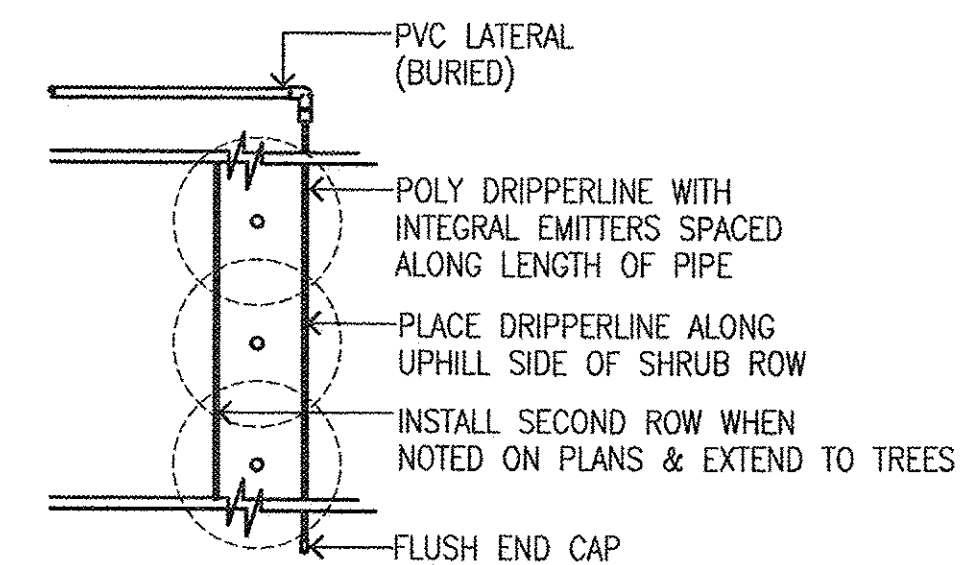


UNDER PAV'T. IN LANDSCAPED AREA
NOTE: "X" DEPTH SHALL BE 24" MIN. UNDER VEHICULAR PAV'T. OR 12" MIN. UNDER WALKWAYS.

1 TRENCHING
IR-8 NOT TO SCALE

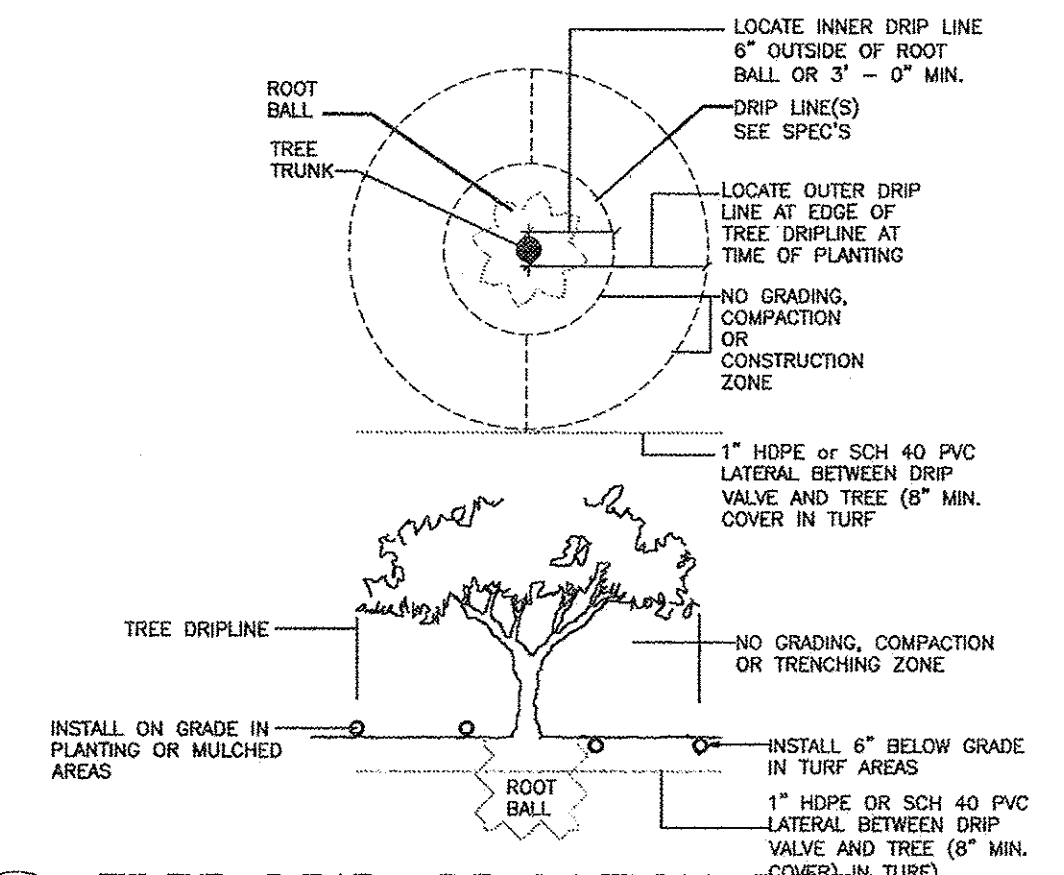


4 ATHLETIC FIELD SPRINKLER DETAIL
IR-8 NOT TO SCALE

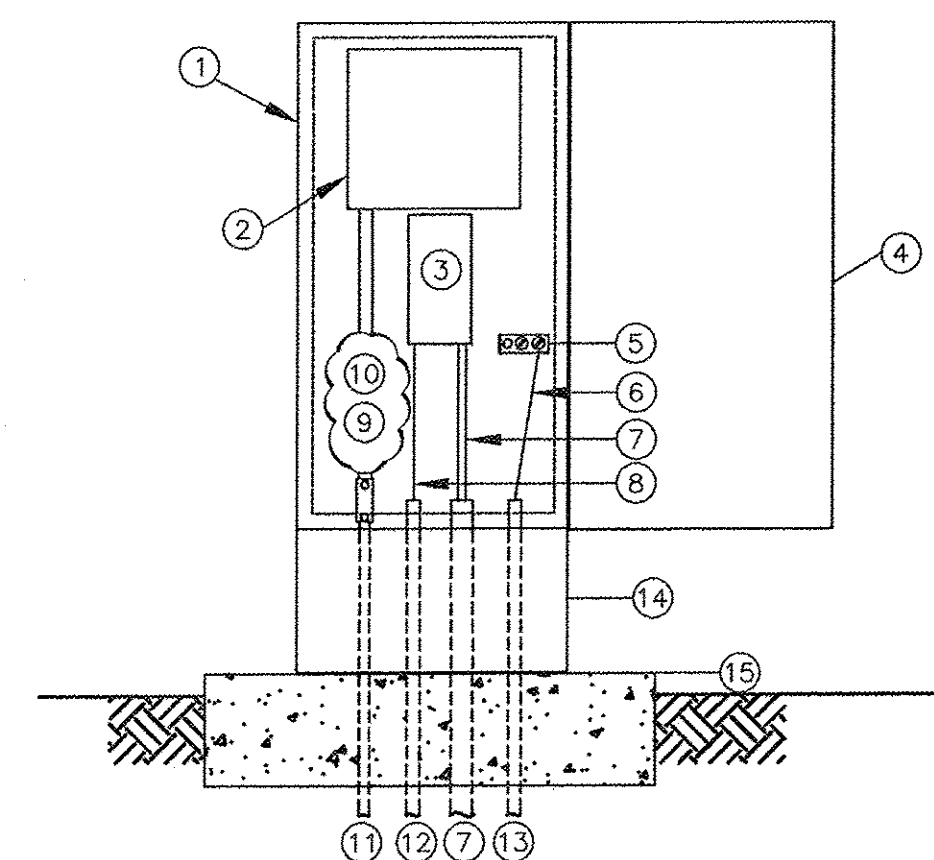


NOTE: MONITOR AND MODIFY AS REQ'D., DRIPPERLINE PLACEMENT TO INSURE THAT ANY SALT ACCUMULATION IS PUSHED OUTSIDE OF DRIP LINE AND EXTENT OF SHRUB ROOTS.

7 DRIPPERLINE EMITTER
IR-8 NOT TO SCALE



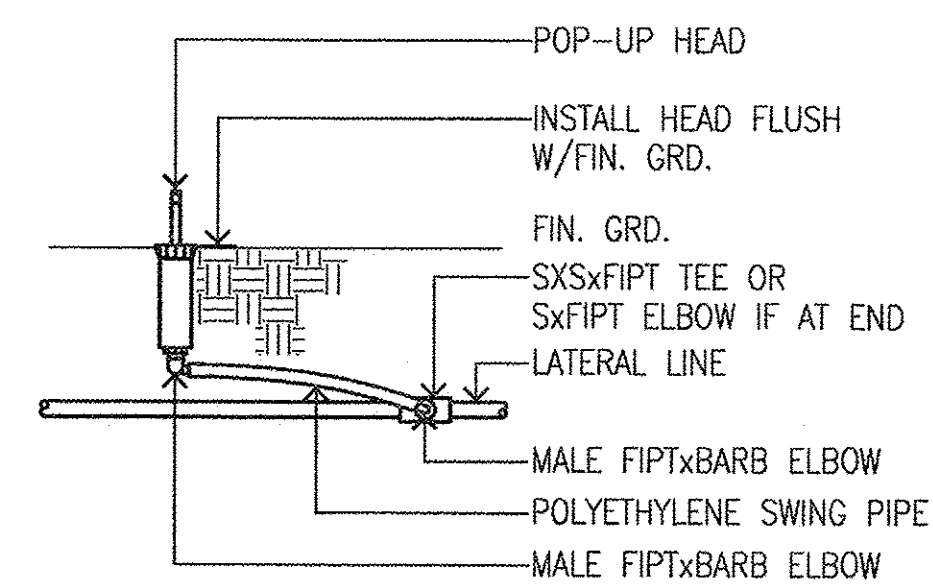
10 TREE DRIP IRRIGATION DETAIL
IR-8 NOT TO SCALE



- 1 STAINLESS STEEL VIT SB-24DSS ENCLOSURE
- 2 RAIN BIRD ESP-40SAT-2W FIELD CONTROLLER
- 3 TERMINAL STRIP
- 4 ENCLOSURE DOOR
- 5 GROUNDING BUSS BAR
- 6 #10 COPPER GROUND WIRE FROM GROUNDING BUSS BAR TO GROUNDING GRID (SEE GROUNDING GRID DETAIL 1 SHEET IR-7)
- 7 COMMON AND CONTROL WIRES FOR VALVES
- 8 TWO-WIRE PATH
- 9 REFER TO LOCAL ELECTRIC CODE FOR CONNECTIONS
- 10 RAIN BIRD WARRANTY REQUIRES PROPER SURGE PROTECTION. USE INTERMATIC AG2401 OR TRIPPLITE ISOBAR
- 11 120 VAC ELECTRICAL SERVICE
- 12 PE-CABLE TO OTHER SATELLITES
- 13 GROUND WIRE TO GROUNDING ROD GRID (SEE GROUNDING PLATE DETAIL)
- 14 STAINLESS STEEL VIT PED-24DSS CONTROLLER PEDESTAL TO MATCH DEEP ENCLOSURE
- 15 CONCRETE SLAB

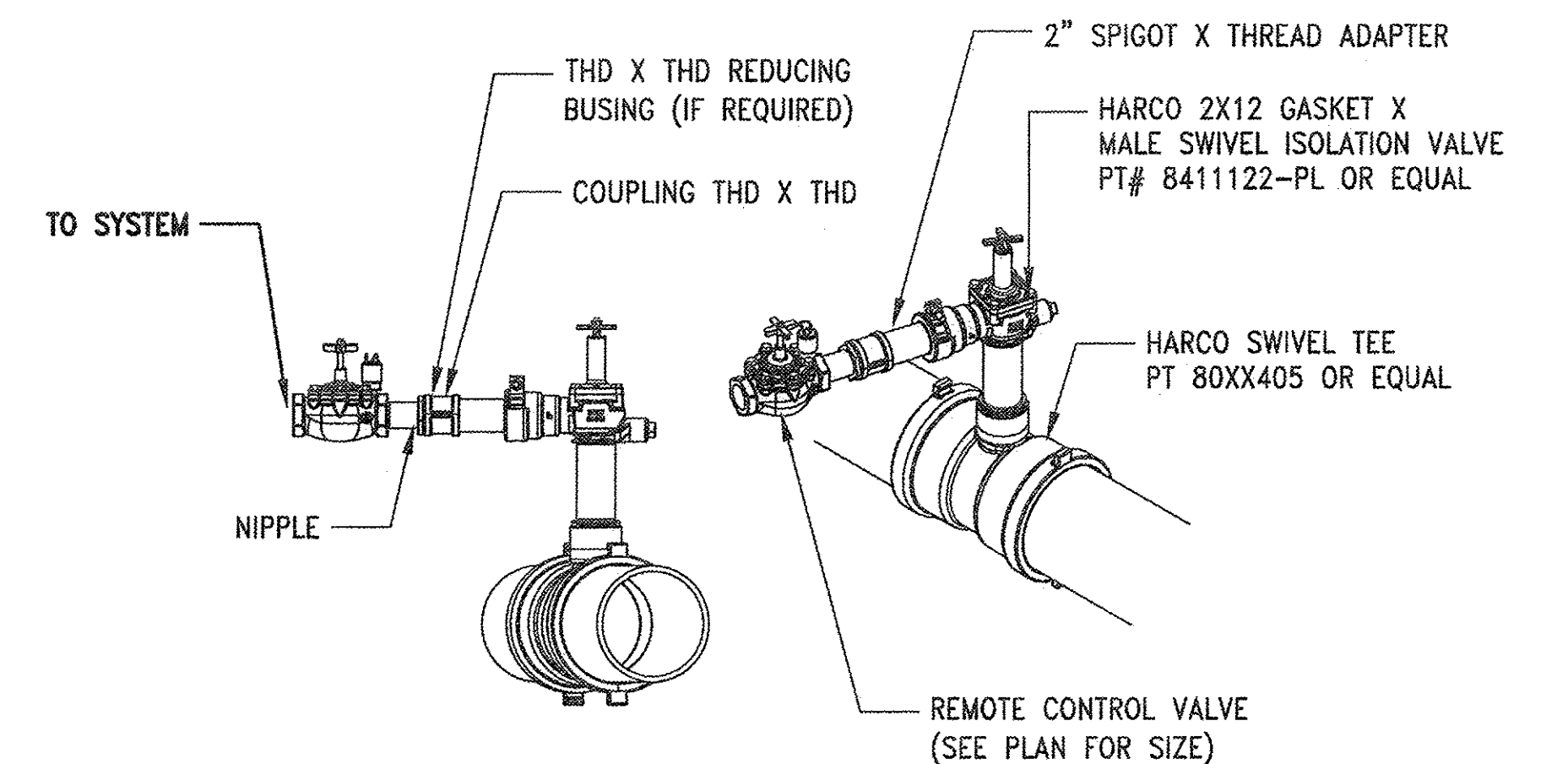
NOTE: INSTALL A PAIGE 250090LED ARRESTOR ON THE 120V SUPPLY TO EACH CONTROLLER WITHIN ENCLOSURE - INSPECT MONTHLY

2 FIELD SATELLITE CONTROLLER
IR-8 NOT TO SCALE



NOTE: HEAD SHALL BE INSTALLED 12" CLR. FROM BLDG. FACE AND 6" CLR. FROM EDGE OF WALK.

8 4" POP-UP HEAD
IR-8 NOT TO SCALE



11 MAIN LINE TAP DETAIL
IR-8 NOT TO SCALE

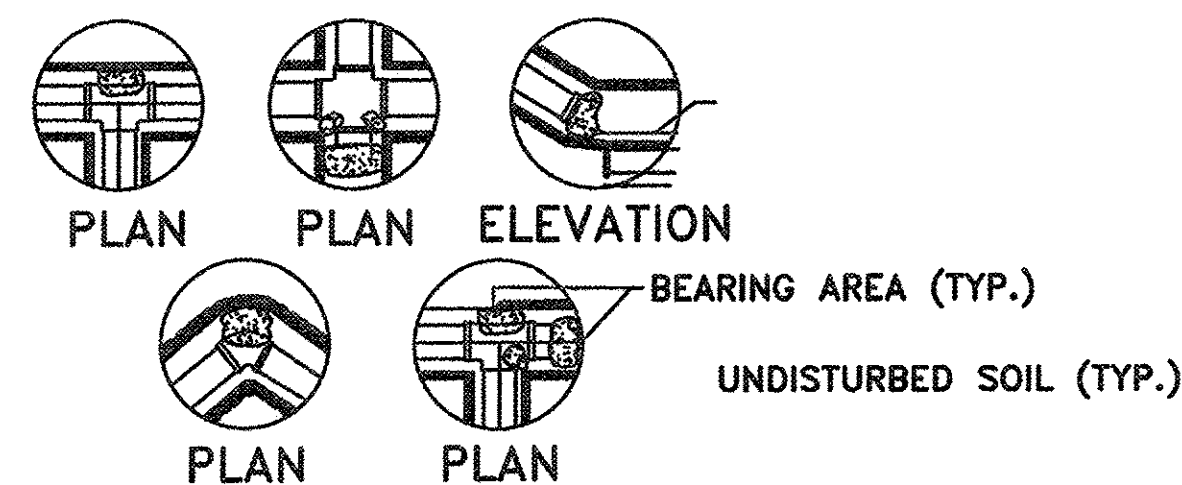


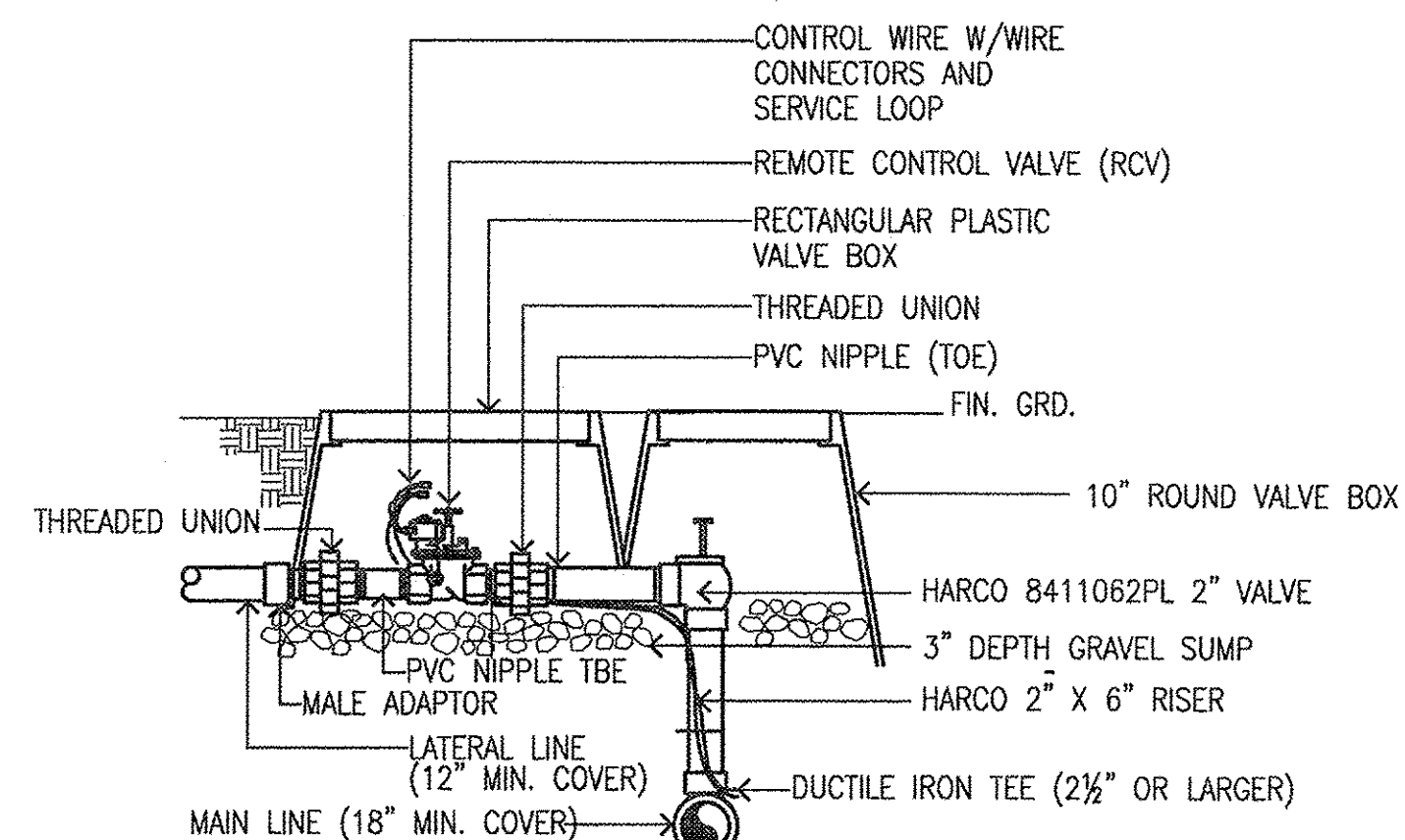
TABLE OF AREAS IN SQ. FT. AT THRUST BLOCK IN VERTICAL CONTACT WITH SOIL OF VARYING BEARING VALUES. WATER PRESSURE = 225 P.S.I.

IPS SIZE	TEES, BENDS, ELBS				90 DEG. BEND				45 DEG. BEND				22-1/2 DEG. BEND				METRIC SIZE
	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	
<6"	6.0	4.5	2.0	1.5	8.0	6.0	2.5	2.0	4.5	3.5	1.5	1.5	2.5	2.0	1.0	1.0	<150MM
6"	10.0	7.5	3.0	2.5	14.0	10.5	4.5	3.5	7.5	6.0	2.5	2.0	4.0	3.0	1.5	1.0	200MM
8"	15.0	11.0	4.5	4.0	21.0	15.5	6.5	5.5	11.5	8.5	3.5	3.0	6.0	4.5	2.0	1.0	250MM
10"	21.0	15.5	6.5	5.5	28.5	22.0	9.0	7.5	18.0	12.0	5.0	4.0	8.5	6.5	2.5	2.5	300MM

CONDITION OF SOIL

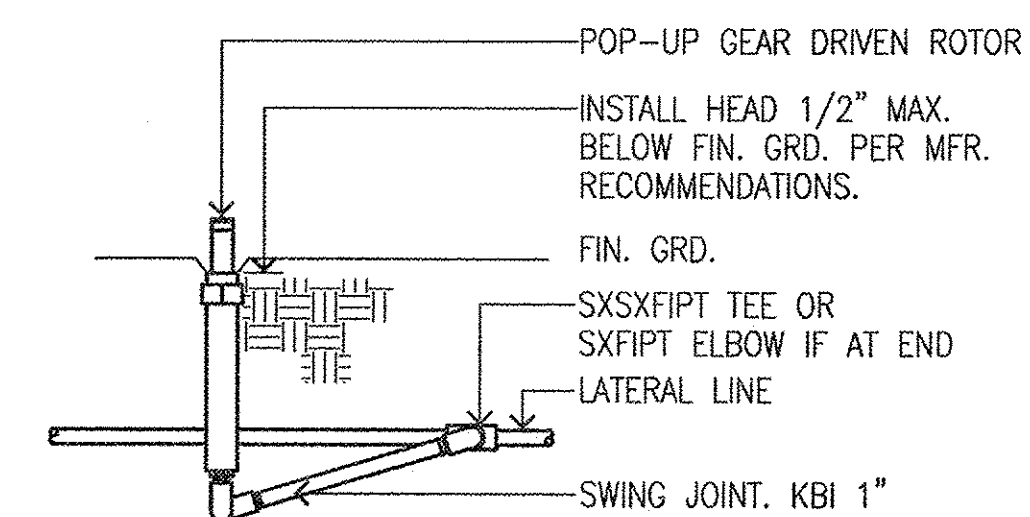
- A - SAND 1,500 LBS/SQ. FT.
B - SAND & GRAVEL 2,000 LBS/SQ. FT.
C - SAND, GRAVEL, & CEMENTED CLAY 3,000 LBS/SQ. FT.
D - SHALE 3,000 LBS/SQ. FT.

3 THRUST BLOCK DETAIL
IR-8 NOT TO SCALE



- NOTE: 1. TOP OF VALVE BOX SHALL BE FLUSH WITH FIN. GRD. IN GRASS, 2" ABOVE GRADE IN GROUND COVER.
2. PROVIDE REDUCER BUSHINGS AS REQ'D.
3. SEE SPEC'S FOR MINIMUM DEPTH OF COVER OVER PIPING
4. UNION BETWEEN MAV & RCV CAN BE AN INTEGRAL PART OF MAV

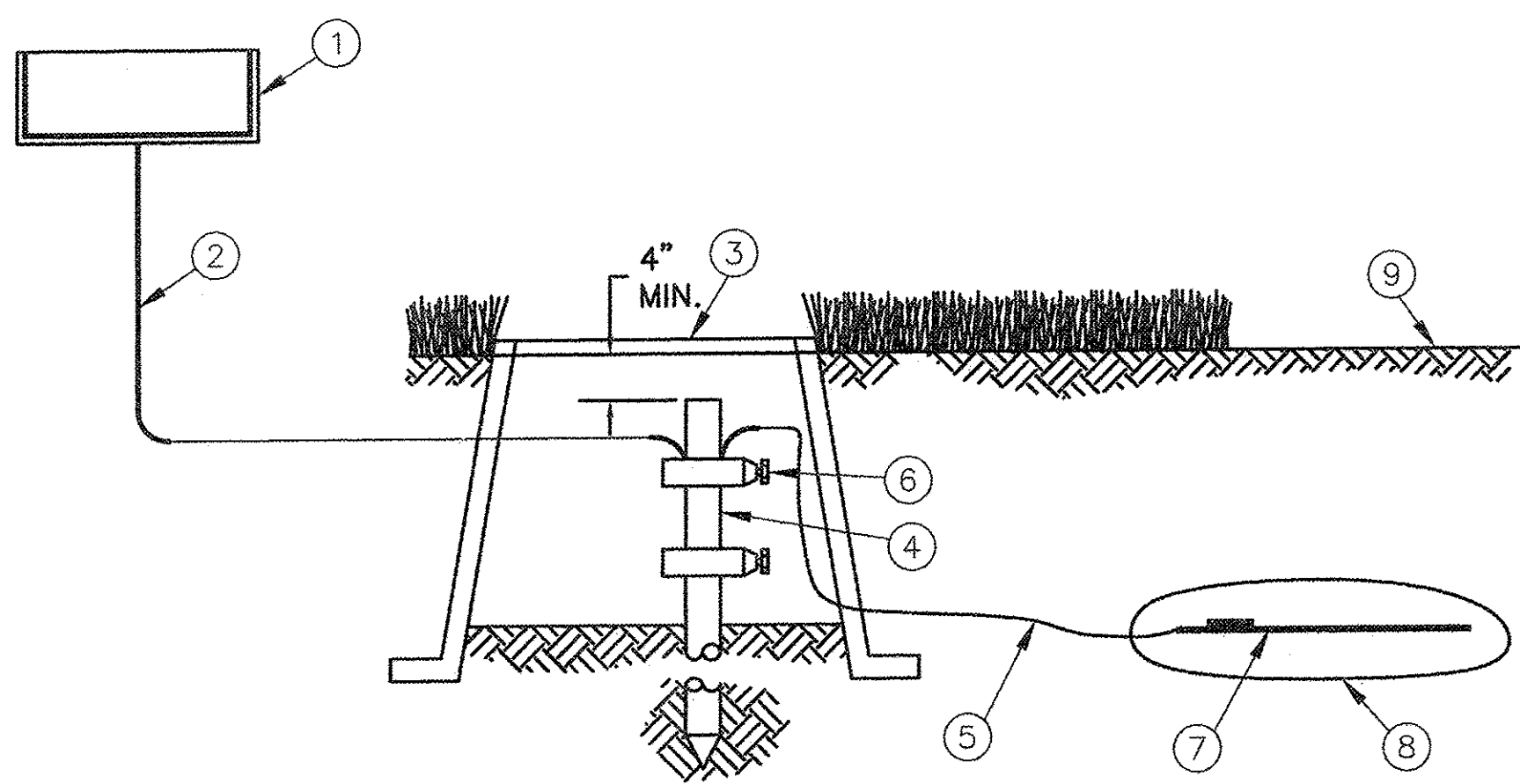
6 REMOTE CONTROL VALVE-A/C
IR-8 NOT TO SCALE



NOTE: HEAD SHALL BE INSTALLED 18" CLR. FROM EDGE OF WALK OR PAVEMENT.

9 POP-UP GEAR DRIVEN ROTOR
IR-8 NOT TO SCALE

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DESIGNED: AGS		SUBMITTED: ---			
DRAWN: AGS/PPS		DATE: AUGUST 2016			
CHECKED: AGS		SCALE: AS NOTED			
APPROVED:		DRAWING NO. IR-8		AUG - 8 2016	
R. M. TOWILL CORPORATION 808 642 1133 2015 Maui Reg. Office 808 642 1133 Honolulu, Hawaii 96813-2044		CHIEF ENGINEER		DATE	



- ① MAXICOM FIELD SATELLITE, WEATHER STATION OR CCU ASSEMBLY
- ② SOLID BARE COPPER WIRE (#10 AWG) FROM GROUNDING ROD/PLATE TO SATELLITE, CCU OR WEATHER STATION. MAKE WIRE AS SHORT AS POSSIBLE
- ③ 10" VALVE BOX WITH BLACK ELECTRICAL VALVE BOX COVER
- ④ 3/8" X 10 FT COPPER CLAD GROUNDING ROD INSTALL RODS IN SOIL A MINIMUM OF 15 FT APART.
- ⑤ BARE COPPER WIRE (#6 AWG MIN.) BETWEEN GROUNDING ROD AND GROUNDING PLATE WITH MIN. 10-OHM RESISTENCE AT EACH ROD.
- ⑥ COPPER GROUND ROD CLAMP OR WELDS
- ⑦ COPPER GROUNDING PLATE
- ⑧ GROUNDING ENHANCEMENT MATERIALS (IS EXPECTED TO BE REQUIRED DUE TO SOIL TYPES FOUND ON SITE). ADD AS NEEDED TO MEET THE 10-OHM RESISTANCE NOTED.
- ⑨ FINISHED GRADE

NOTE: REFER TO RAIN BIRD CENTRAL CONTROL TECHNICAL BULLETIN TB-9001MULTI FOR INSTALLATION GUIDELINES. GROUNDING DETAIL APPLIES TO ALL FIELD SATELLITES, THE CLUSTER CONTROL UNIT (CCU) AND THE WEATHER STATION. ALL UNITS SHALL HAVE A PAIGE #250090LED, MGP-1 AND MSP-1 INSTALLED AS PER RAIN BIRD SPECIFICATION. INSTALLATION MUST BE CERTIFIED BY THE RAIN BIRD SERVICE PROVIDER PRIOR TO ACCEPTANCE OF SYSTEM.

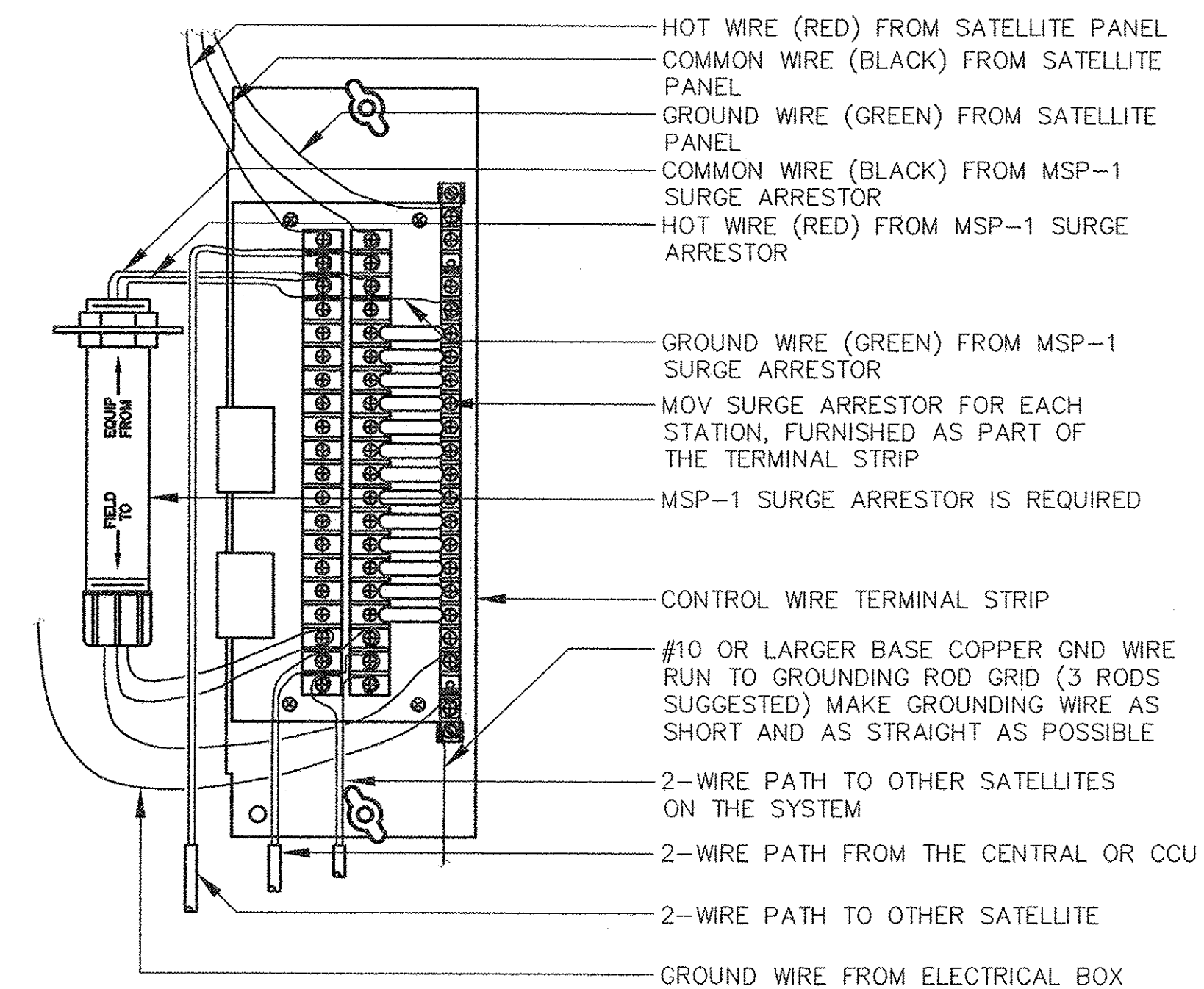
1 SATELLITE GROUNDING DETAIL
IR-9 NOT TO SCALE

FLOW THROUGH LATERAL	SIZE OF LATERAL
0.0 THROUGH 6 GPM	3/4" PIPE
7 GPM THROUGH 12 GPM	1" PIPE
13 GPM THROUGH 22 GPM	1 1/4" PIPE
23 GPM THROUGH 35 GPM	1 1/2" PIPE
36 GPM THROUGH 50 GPM	2" PIPE
51 GPM THROUGH 75 GPM	2 1/2" PIPE

PEAK FLOW SHALL NOT EXCEED 75 GPM
ALL SMALL ROTOR CIRCUITS SHALL BE 1" MINIMUM
ALL ATHLETIC FIELD ROTOR CIRCUITS SHALL BE 1-1/2" MINIMUM

4 LATERAL PIPE SIZING CHART
IR-9 TO BE USED FOR LATERAL PIPING NOT OTHERWISE SIZED ONLY

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		STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION CENTRAL MAUI REGIONAL SPORTS COMPLEX PHASE 4 WAILUKU, MAUI, HAWAII WEATHER STATION/GROUNDING DETAILS			
DESIGNED: AGS		SUBMITTED: --			
DRAWN: AGS/PPS		DATE: AUGUST 2016			
CHECKED: AGS		SCALE: AS NOTED			
APPROVED:		DRAWING NO. IR-9			
R. M. TOWILL CORPORATION 2000 542 1152 1001 North King Street Suite 200 Honolulu, Hawaii 96813-3448		AUG - 8 2016 DATE			



NOTE: ALL FIELD SATELLITE CONTROLLERS, CLUSTER CONTROL UNITS, WEATHER STATIONS AND ANY OTHER 120V POWER UNIT SHALL BE PROTECTED WITH A PAIGE 25090LED LIGHTNING/SURGE PROTECTION UNIT AND/OR AS DIRECTED BY THE MANUFACTURERS RECOMMENDATIONS AT TIME OF INSTALLATION.

4 24V ATELLIE SURGE PROTECTION DETAIL
IR-10 NOT TO SCALE

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<p>STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION</p> <p>CENTRAL MAUI REGIONAL SPORTS COMPLEX PHASE 4 WAILUKU, MAUI, HAWAII</p> <p>PUMP STATION/CCU DETAILS</p>					
<p>DESIGNED: AGS</p> <p>DRAWN: AGS/PPS</p> <p>CHECKED: AGS</p> <p>APPROVED: <i>[Signature]</i> R. M. TOWILL CORPORATION 800 542 1152 2724 South King Street Suite 200 Honolulu, Hawaii 96814-3444</p>			<p>SUBMITTED: -- <i>[Signature]</i></p> <p>DATE: AUGUST 2016</p> <p>SCALE: AS NOTED</p> <p>DATE: AUG - 8 2016</p>		
<p>4/30/18</p> <p>EXP. DATE</p>			<p>DRAWING NO. IR-10</p>		

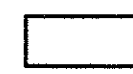







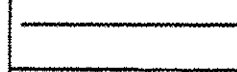
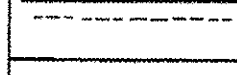
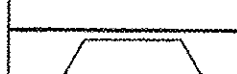
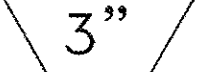
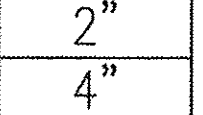

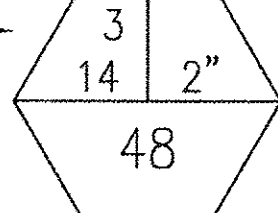
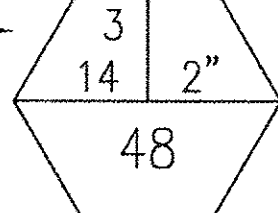
GENERAL NOTES

1. INSPECT THE SITE AND VERIFY CONDITIONS PRIOR TO COMMENCING WITH THE WORK. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OFFICER IN CHARGE. BY COMMENCING WITH THE WORK, THE CONTRACTOR ACCEPTS THE EXISTING CONDITIONS AND RESPONSIBILITY FOR MAINTAINING THOSE CONDITIONS.
2. THE EXISTENCE AND LOCATION OF EXISTING STRUCTURES, UTILITIES AND APPURTENANCES SHOWN OR NOTED ON THESE PLANS ARE FROM THE LATEST AVAILABLE PLANS AND FIELD OBSERVATIONS AND ARE NOT GUARANTEED. SUCH ITEMS ARE NOT GUARANTEED AS TO LOCATION NOR TO THE EXISTENCE OF OTHER OBSTACLES WHICH MAY BE ENCOUNTERED. THE LOCATIONS SHOWN OR NOTED ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL PERFORM AN INDEPENDENT CHECK OF ELEMENTS AND POSSIBLE CONFLICTING STRUCTURES. DISCREPANCIES SHALL BE REPORTED TO THE OFFICER IN CHARGE. REASONABLE MODIFICATIONS TO ACCOMMODATE SITE CONDITIONS SHALL NOT CONSTITUTE A RIGHT TO ADDITIONAL FUNDS.
3. EXISTING STRUCTURES, UTILITIES, APPURTENANCES AND LANDSCAPE PLANTINGS, ESPECIALLY TREES, ADJACENT TO CONSTRUCTION LIMITS SHALL BE PROTECTED. EXISTING STRUCTURES, UTILITIES, APPURTENANCES AND LANDSCAPE DAMAGED BY WORK UNDER THIS CONTRACT SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT AND CLIENT. DO NOT PARK ANY EQUIPMENT OR VEHICLES UNDER EXISTING TREES.
4. THE CONTRACTOR SHALL NOT DEVIATE FROM THE DRAWINGS AND SPECIFICATIONS. IN THE EVENT OF ERRORS OR DISCREPANCIES, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT.



















IRRIGATION NOTES

1. IRRIGATION SYSTEMS ARE DIAGRAMMATIC AND SUBJECT TO MINOR ADJUSTMENTS DUE TO UNANTICIPATED FIELD CONDITIONS. IRRIGATION HEADS SHALL BE INSTALLED WHERE SHOWN, ADJUSTMENTS TO HEAD PLACEMENT MAY BE MADE IN THE FIELD ONLY TO AVOID OBSTACLES OR TO IMPROVE COVERAGE. HEADS SHALL NOT BE SPACED FURTHER THAN SHOWN ON THE DRAWINGS. VALVES SHALL BE INSTALLED IN THE VICINITY OF THE LOCATIONS SHOWN AND BE ACCESSIBLE FOR SERVICE AND USE. AVOID CONFLICTS WITH PLANTINGS, UTILITIES AND ARCHITECTURAL ELEMENTS. INSTALL ALL VALVES WITHIN GROUND COVER AREAS AND AVOID INSTALLATION WITHIN LAWN AREAS UNLESS OTHERWISE DIRECTED.
2. PRIOR TO EXCAVATION FOR IRRIGATION LINES, THE CONTRACTOR SHALL VERIFY IN THE FIELD THE EXACT LOCATION AND DEPTH OF ALL UTILITIES AND EXISTING SYSTEMS IN THE AREA AND EXERCISE CAUTION WHEN EXCAVATING.
3. COORDINATE WITH OTHER TRADES TO INSURE INSTALLATION OF IRRIGATION LINES AND APPURTENANCES. IT SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO COORDINATE WITH OTHER CONTRACTORS ON THE JOB TO INSURE THEIR INSTALLATION AND TO PROVIDE PROPER CLEARANCES FOR CONNECTIONS, SLEEVES AND CONDUIT.
4. REFER TO ELECTRICAL DRAWINGS FOR 120V WIRING TO CONTROLLERS. CONTRACTOR TO CONNECT CONTROLLER TO 120V WIRING FROM THE J-BAX LOCATED WITHIN 5 FEET OF THE CONTROLLER LOCATION.
5. THE IRRIGATION SYSTEM DESIGN IS BASED ON A MINIMUM STATIC PRESSURE OF 95 PSI AT THE POINT OF CONNECTION UNDER STATIC CONDITIONS. CONTRACTOR TO RETEST THE PRESSURE AT THE WATER SOURCE AND REPORT THE RESULTS TO THE IRRIGATION CONSULTANT PRIOR TO STARTING THE IRRIGATION INSTALLATION.
6. INSTALL THE IRRIGATION CONTROLLERS AS NOTED ON THE DRAWINGS AND IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. THE CONTRACTOR, TOGETHER WITH THE APPROPRIATE OWNER'S REPRESENTATIVE, SHALL PROGRAM THE CONTROLLER TO ACCOMMODATE THE LANDSCAPE AND SITE REQUIREMENTS. ALL CONTROLLERS SHALL BE INSTALLED WITHIN A NEMA 3R PLASTIC OR STAINLESS STEEL ENCLOSURE OR AS OTHERWISE NOTED ON PLANS. A TIPPING RAIN GAUGE SHALL BE INSTALLED NEAR THE CCU TO RELAY RAINFALL FROM THE SITE TO THE MAXICOM COMPUTER, PER MANUFACTURERS RECOMMENDATION. INSTALL RAIN GAUGE OUT OF THE IRRIGATED AREA BUT IN AN AREA OF THE PARK SITE MAINTENANCE BUILDING.
7. IRRIGATION SYSTEMS SHALL BE OPERATED DURING "OFF PEAK" EVENING HOURS. OPERATION DURING OTHER TIMES SHALL BE WITH THE APPROVAL OF THE PROJECT MANAGER.

IRRIGATION MATERIALS SCHEDULE

SYMBOL	DESCRIPTION	MANUFACTURER/ CATALOG NUMBER
	MAXICOM CCU INTERFACE WITHIN A STAINLESS STEEL NEMA 4 LOCKABLE PEDESTAL	CONTACT PACIFIC PIPE COMPANY FOR PRICING AT (808) 455-8700 ATTN: MIKE HAMAMOTO
	ESP-SITE-SAT 40-2W 40-STA. CONTROLLER WITHIN A VIT SS LOCKABLE ENCLOSURE	RAIN BIRD FIELD SATELLINE CONTROLLER WITHIN A VIT STRONG BOX SB-24-DSS STAINLESS STEEL NEMA 3R PEDESTAL MOUNTED ENCLOSURE (48"h X 24"W X 20"d)
	REMOTE CONTROL VALVE WITH PRESSURE REGULATION	RAIN BIRD PESBR-PRS-D WITH PURPLE HANDLE SIZE AS NOTED FOR RECLAIMED WATER APPLICATIONS
	WEATHER STATION PREVENTION UNIT	RAIN BIRD WS-PRO2 WEATHER STATION WITH PHONE MODUM INSTALL PER MANUFACTURERS SPELCIFICATIONS
	GATE VALVE (FULL LINE SIZE)	NIBCO T-113 OR APPROVED EQUAL, 2½" OR LESS EPOXY COATED AWWA RESILIENT SEAT 3" OR LARGER
	QUICK COUPLER VALVE	RAINN BIRD #55 NP 1-1/2" QUICK COUPLER VALVE PROVIDE 6 KEYS WITH 1" X 1" HOSE SWIVELS FURNISH SIX (6) EACH 1" X 100' HOSE AT TURNOVER
	HARCO ISOLATION VALVE	HARCO 8411062PL OR EQUAL 2" SIZE X 6" RISER. WITH 3" OR 5" SWIVEL TEE TO MATCH
	IRRIGATION MAINLINE - PVC	SDR21 CL 200 PVC WITH WARNING TAPE SEE SPEC'S - 18" MIN. DEPTH - SEE RECLAIMED PIPING WATER NOTES ON THIS SHEET FOR ALL PIPING.
	IRRIGATION LATERAL	SCH 40 PVC, SIZE AS NOTED, 12" MIN. DEPTH SEE RECLAIMED WATER NOTES FOR ALL PIPING
	PVC SLEEVE UNDER PAVEMENT	SCH 40 PVC PIPE (SIZE AS NOTED) 24"DEPTH
	IRRIGATION CONDUIT	SCH 40 PVC UL LISTED, SIZE AS NOTED, 12' DEPTH
	MANUAL VALVE CALL OUT	TYPE OF VALVE (TOP) SIZE OF VALVE (BOTTOM)
	SLEEVE CALL OUT	PIPE SIZE (TOP) WITHIN SLEEVE SIZE (BOTTOM)
	CONDUIT CALL OUT	RACEWAY USE (TOP) RACEWAY SIZE (BOTTOM) CONDUIT RACEWAY FOR 24V WIRING (INSTALL ONE EXTRA WIRE THROUGH RACEWAY FOR FUTURE USE)
<div>CONTROL VALVE CALL OUT</div> <div>CONTROLLER No. →  ← VALVE SIZE (Inches)</div> <div>STATION NUMBER →  ← FLOW THROUGH VALVE (GPM)</div>		

IRRIGATION SPRINKLER SCHEDULE

HEAD SYMBOL	ANGLE	MANUFACTURER/ CATALOG NUMBER	G.P.M.P.M. P.S.R.S.I. RADRAD.		
SHRUB SPRAY PRESSURE REGULATING SPRINKLER 12" POP-UP WITH HIGH EFFICIENCY NOZZLES		RAIN BIRD RD-1800 SERIES RD-12-P-NP SERIES WITH U-SERIES NOZZLES OR ACCEPTABLE EQUAL			
	90°		0.85	30	15'
	120°		1.10	30	15'
	180°		1.65	30	15'
	360°		3.60	30	15'
LAWN SPRAY PRESSURE REGULATING SPRINKLER 4" POP-UP WITH HIGH EFFICIENCY NOZZLES		RAIN BIRD RD-1800 SERIES RD-04-P-NP SERIES WITH U-SERIES NOZZLES OR ACCEPTABLE EQUAL			
	90°		0.85	30	15'
	120°		1.10	30	15'
	180°		1.65	30	15'
	240°		2.30	30	15'
	270°		2.60	30	15'
	360°		3.60	30	15'
	END STRIP		0.45	30	4'X15'
	SIDE STRIP		0.85	30	4'X15'
POP-UP SPRINKLER STAINLESS STEEL RISER SLEEVE LOW ANGLE NOZZLE		RAIN BIRD 5505 SERIES SHRUB OR ROTOR AS NOTED WITH STAINLESS STEEL RISER AND RUBBER COVER OR APPROVED EQUAL.			
LAWN ROTOR	SHRUB ROTOR				
	90°		1.6	40	37'
	180°		2.7	40	39'
	360°		3.5	40	41'
ATHLETIC FIELD ROTOR POP-UP SPRINKLER STAINLESS STEEL RISER SLEEVE WITH NON-POTABLE MARKINGS		RAIN BIRD ATHLETIC FIELD ROTOR 8005-SS-NP-XX SERIES OR ACCEPTABLE EQUAL			
	90°		8.4	60	49'
	180°		15.9	60	65'
	360°		15.9	60	65'

RECLAIMED WATER NOTES

SPECIAL NOTES - RECLAIMED WATER

- A. Marking on the purple PVC piping shall include the following:

"Caution - Recycled (or Reclaimed) Water"; nominal size; PVC-1120; pressure rating in pounds, per square inch at 73°F (23°C); ASTM designations such as 1785, 2241, 2672, 3139. Printing shall be placed continuously on two sides of the pipe.
- B. Warning tape on recycled water constant pressure main line piping must follow these installation specifications:

1. Metallic warning tape shall be used on all constant pressure mains.

2. Warning tape shall be a minimum of 3-inches (76 mm) wide and shall run continuously for the entire length of all constant pressure main line piping. The tape shall be attached to the top of the pipe with plastic tape banded around the warning tape and the pipe every 5 feet (150 cm) on center.

3. Warning tape for the constant pressure recycled water piping shall be purple in color with the words "Caution - Recycled (or Reclaimed) Water" imprinted a minimum of 1-inch (25 mm) high and black in color. Imprinting shall be continuous and permanent. Use tape as manufactured by T. Christy Enterprises or approved equal.
- C. All recycled water control valves shall be identified.

1. Identification shall be affixed to each irrigation valve by one of the following methods:

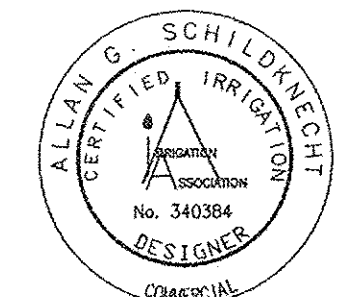
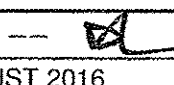

(a) Attach tag to control valve stem directly or with plastic tie-wrap.

(b) Attach tag to control valve solenoid wire directly or with plastic tie-wrap.

2. Tags shall be weatherproof plastic, 3" x 4", (76 mm x 102 mm) purple in color with the words "Warning Recycled (or Reclaimed) Water - Do Not Drink" imprinted on one side, and Avisa Agua Impura - No Tomar" on the other side. Imprinting shall be permanent and black in color.
- D. Unless otherwise allowed by local code, all pressure main line piping from the recycled water system shall be installed to maintain 10 feet (3 m) minimum horizontal separation from all potable water piping. Where recycled and potable water pressure main line piping cross, the recycled water piping shall be installed below the potable water piping in a Class 200 purple PVC sleeve which extends a minimum of 5 feet (150 cm) on either side of the potable water piping. Provide a minimum vertical clearance of 6-inches (152 mm). Conventional (white) PVC pipe may be used for sleeving material if it is taped with 3-inch (76 mm) wide purple warning tape which reads " Caution - Recycled (or Reclaimed) Water".

CONTROL SYSTEM NOTES

1. ALL FIELD CONTROLLERS AND RELATED EQUIPMENT ARE TO BE FULLY COMPATIBLE TO THE EXISTING RAIN BIRD MAXICOM CONTROL SYSTEM MAINTAINED BY THE COUNTY OF MAUI PARKS DEPARTMENT. NO ALTERNATE WILL BE ACCEPTED.
2. CONTRACTOR TO SUPPLY THE CLUSTER CONTROL (CCU) UNIT AND TWO DEDICATED TELEPHONE LINES TO THE CCU FOR COMMUNICATION BACK TO THE EXISTING CENTRAL CONTROLLER LOCATED OFF-SITE. (ONE FOR THE CCU AND ONE FOR THE WEATHER STATION).
3. ALL CONTROL EQUIPMENT SHALL BE INSTALLED PER THE LATEST RAIN BIRD RECOMMENDATIONS TO INCLUDE THE PROPER GROUNDING, SURGE PROTECTION AND RELATED DATA AVAILABLE AT THE TIME OF INSTALLATION. ALL INSTALLATIONS MUST BE APPROVED BY THE AUTHORIZED RAIN BIRD SERVICE PROVIDER PRIOR TO ACCEPTANCE.
4. CONTRACTOR SHALL PAY FOR THE SERVICES OF THE AUTHORIZED RAIN BIRD SERVICE PROVIDER TO PROGRAM THE SYSTEM USING THE ACCURATE AS-BUILT DATA PROVIDED BY THE CONTRACTOR. CONTACT MIKE HAMAMOTO AT (808) 455-8700 FOR A COST TO PROVIDE THIS SERVICE.
5. CONTRACTOR SHALL MAINTAIN ACCURATE AS-BUILT DRAWINGS WITH ALL LOCATIONS FIELD LOCATED USING GLOBAL POSITIONING SERVICES (GPS) AS INSTALLED AND SHALL BE AVAILABLE FOR REVIEW AT ANY TIME DURING CONSTRUCTION.

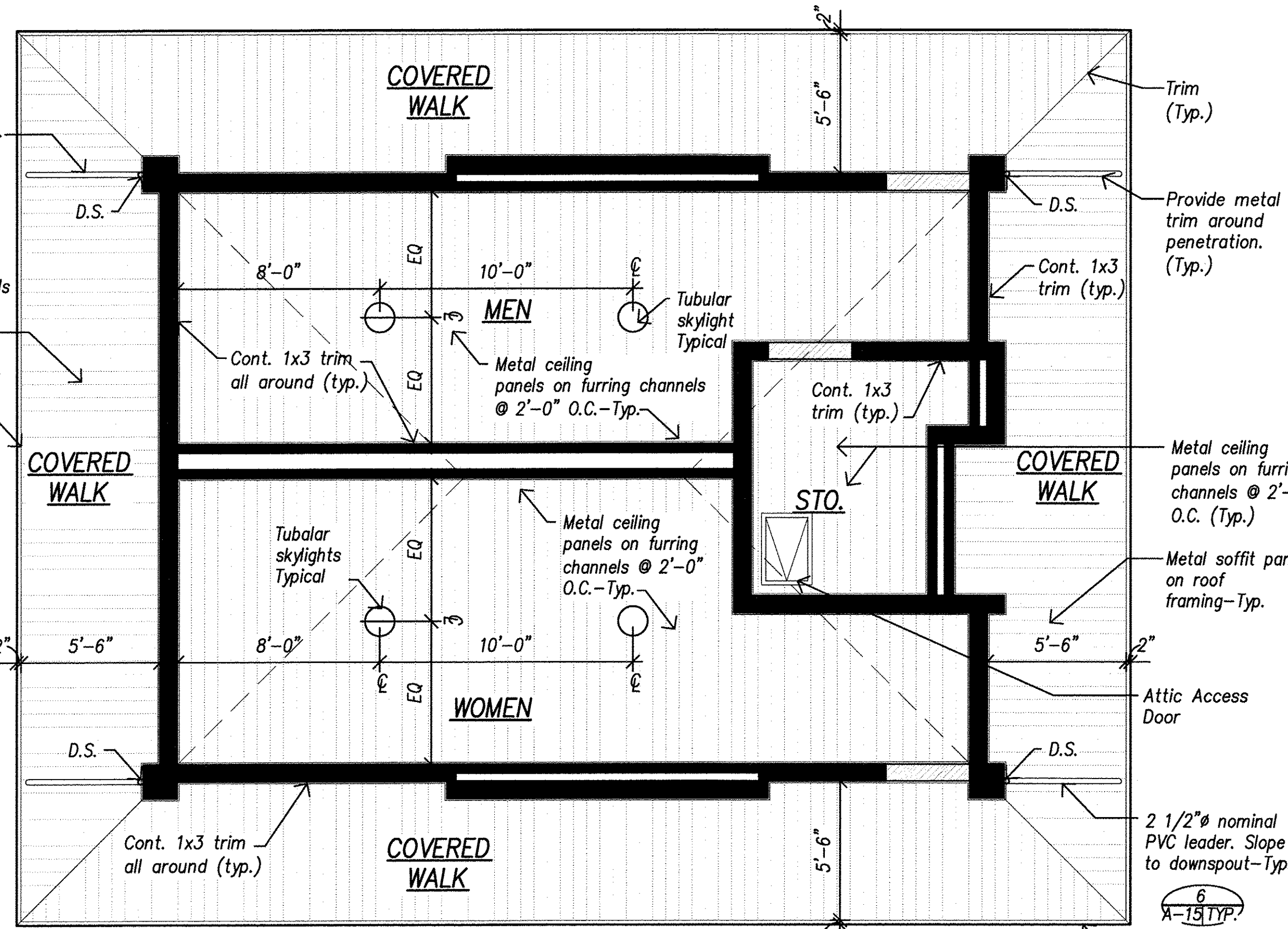
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
		STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION CENTRAL MAUI REGIONAL SPORTS COMPLEX PHASE 4 WAILUKU, MAUI, HAWAII IRRIGATION NOTES AND LEGEND			
DESIGNED: AGS		SUBMITTED: 			
DRAWN: AGS/PPS		DATE: AUGUST 2016			
CHECKED: AGS		SCALE: AS NOTED			
APPROVED: 		CHIEF ENGINEER		DRAWING NO. IR-11	
R. M. TOWILL CORPORATION Parks • Landscaping • Irrigation • Drainage • Site Construction		AUG - 8 2016		DATE	

Architectural Abbreviations																General Notes																Project Data															
<div>& L @ 0 1 # (E)</div>		And Angle At Centerline Diameter or Round Perpendicular Pound or Number Existing		D.F. DET. DIA. DIM. DISP. DN. DR. DWR. DS. D.S.P. DWG.		Drinking Fountain Detail Diameter Dimension Dispenser Down Door Drawer Downspout Dry Standpipe Drawing		G.B. G.I. GL. GND. GR. GYP. H.B. H.C. HDWD. HDWE. H.M. HORIZ. HR. HGT. I.D. INCL. INSUL. INT.		Grab Bar Galvanized Iron Glass Ground Grade Gypsum Hose Bibb Hollow Core Hardwood Hardware Hollow Metal Horizontal Hour Height Inside Diameter (Dim.) Inclusive or Included Insulation Interior		OBS. O.C. O.D. OF. OFF. OPNG. OPP. PRCST. PL. P. LAM. PLAS. PLYWD. PR. PT. P.T.D. P.T.D./R. PTN. P.T.R. Q.T.		Obscure On Center Outside Diameter (Dim.) Overflow Office Opening Opposite Precast Plate Plastic Laminate Plaster Plywood Pair Point Paper Towel Dispenser Dispenser & Receptacle Partition Paper Towel Receptacle Quarry Tile		S.N.R. <																															

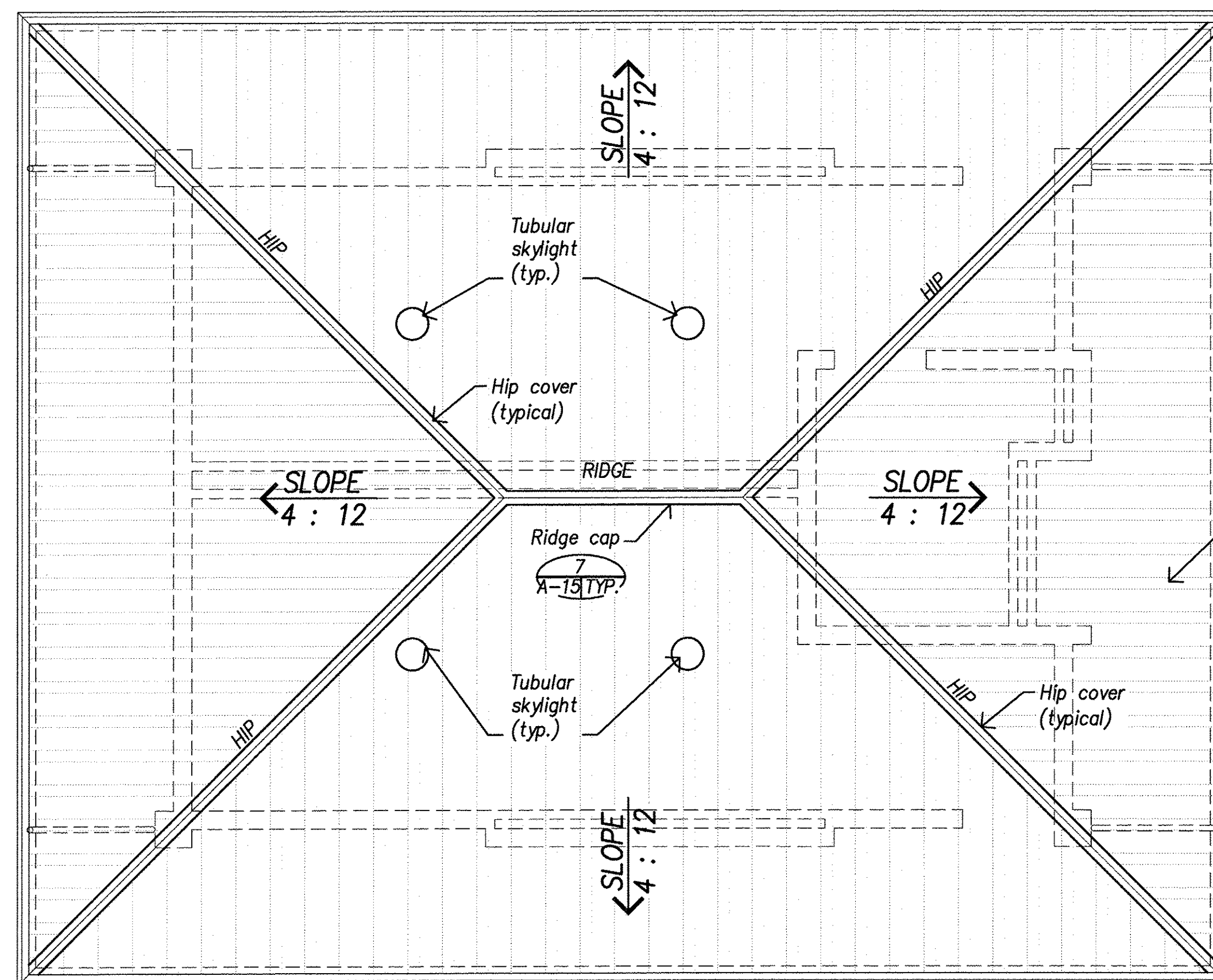
2 1/2" Ø nominal
PVC leader. Slope
to downspout-Typ.

Metal soffit panels
on roof
framing-Typ.

Rough sawn 2x12
wood fascia
6
A-19 TYP.



B
A-31- Reflected Ceiling Plan - Typical

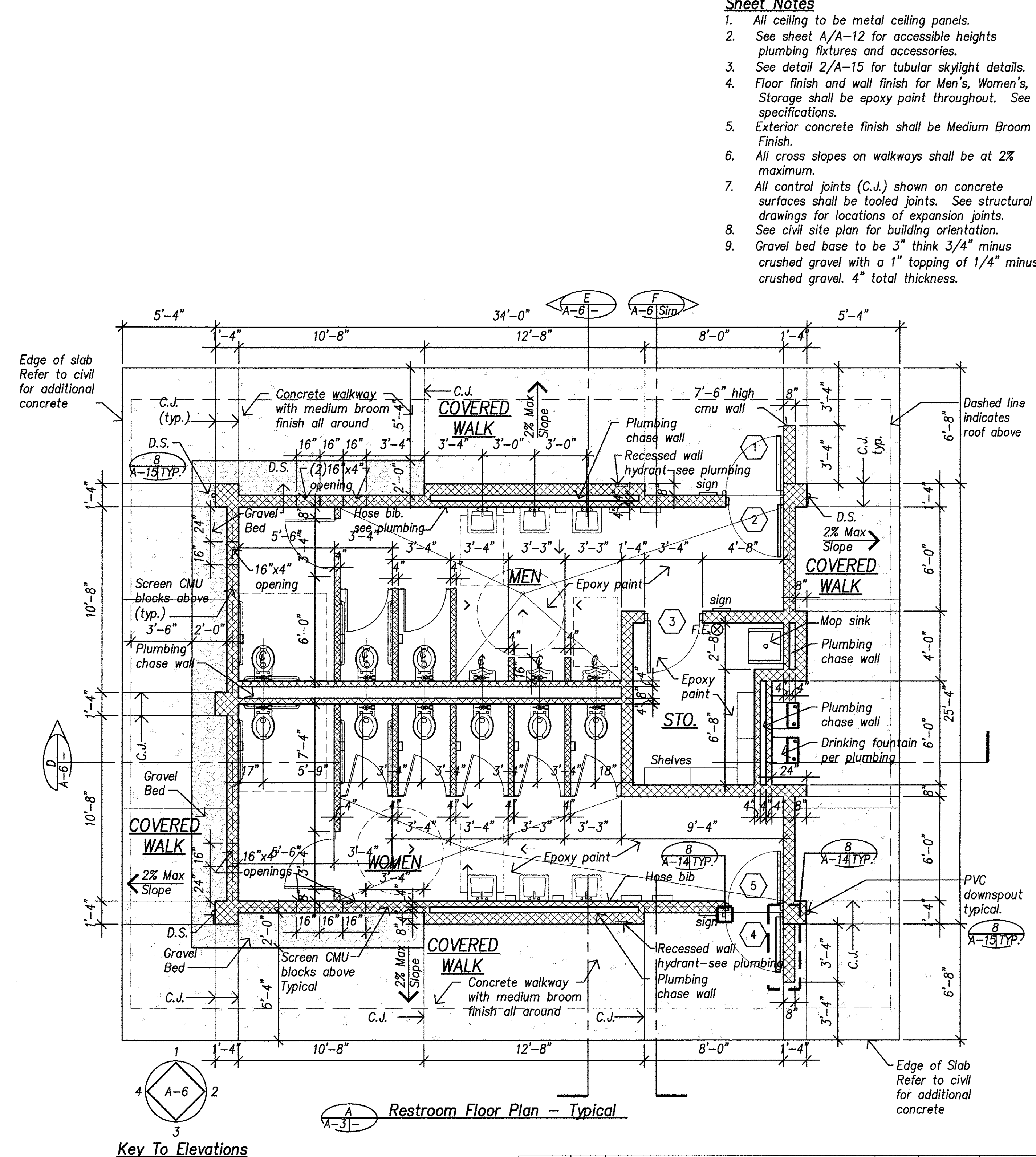


C
A-31- Roof Plan - Typical

Prefinished sheet
metal gutter-typ.

Preformed metal
roofing (typ.)

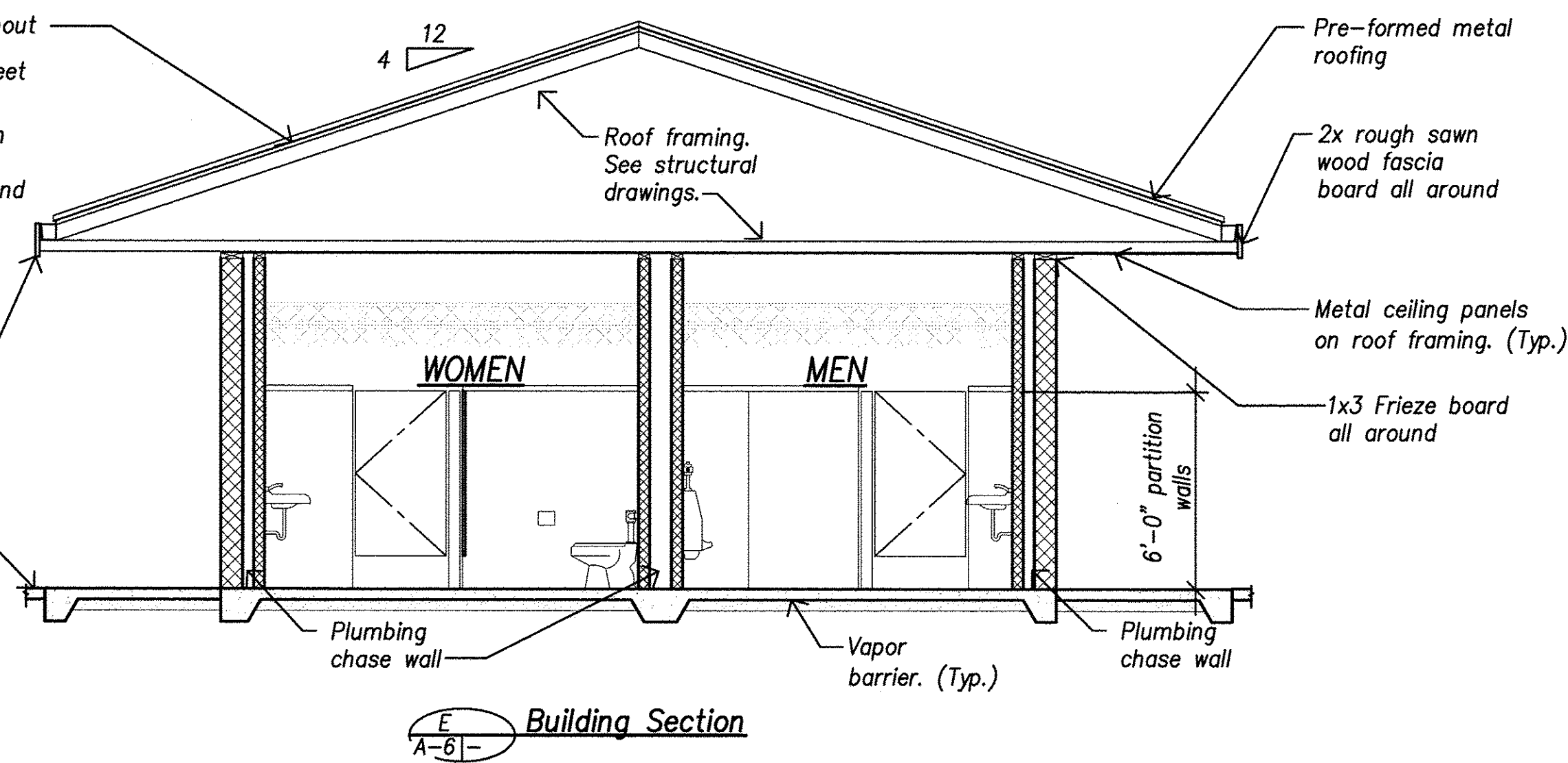
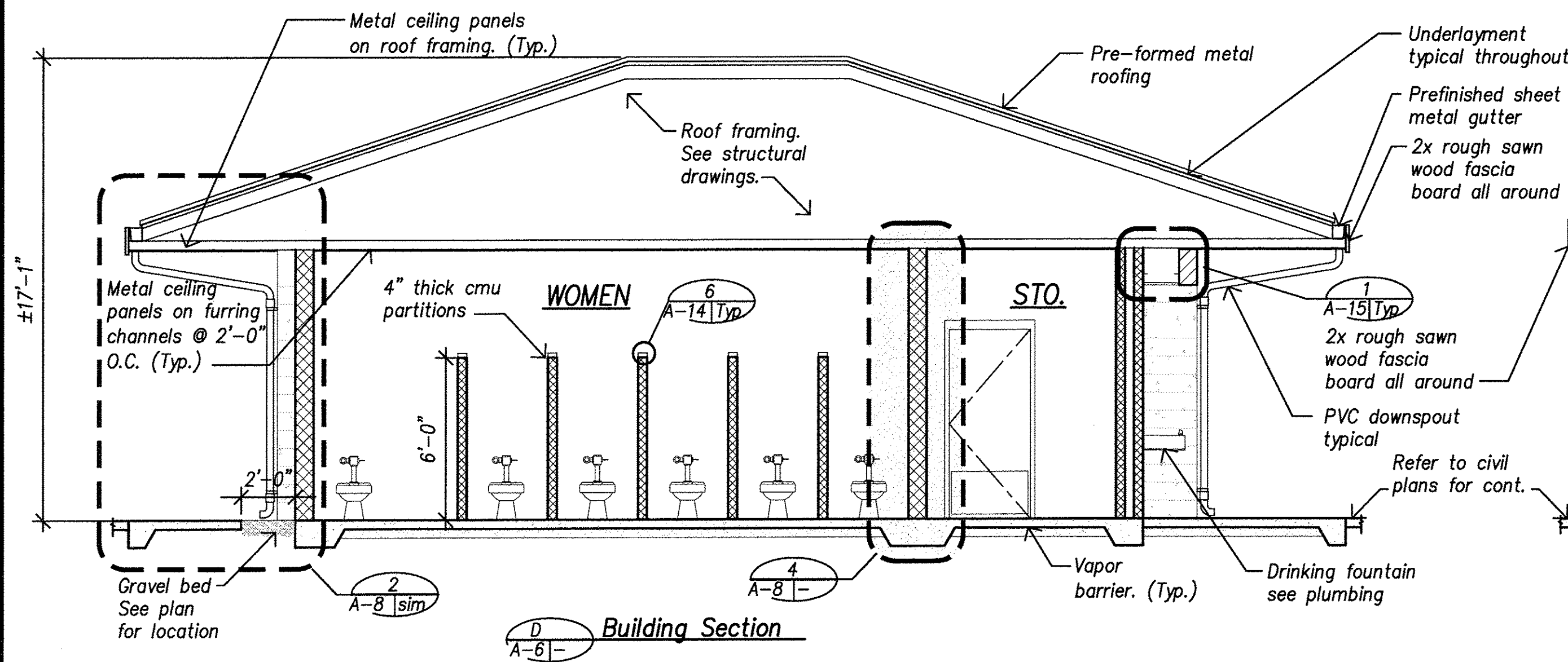
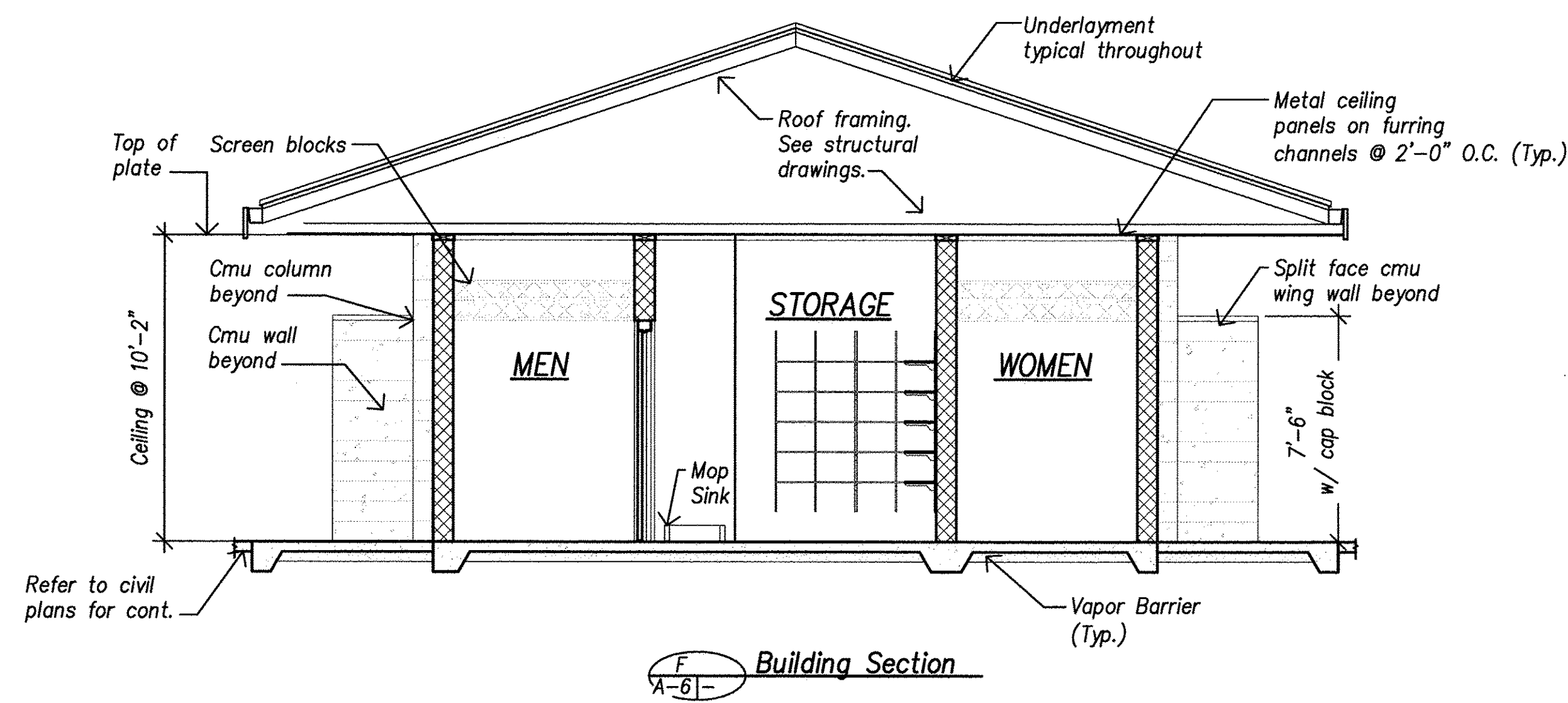
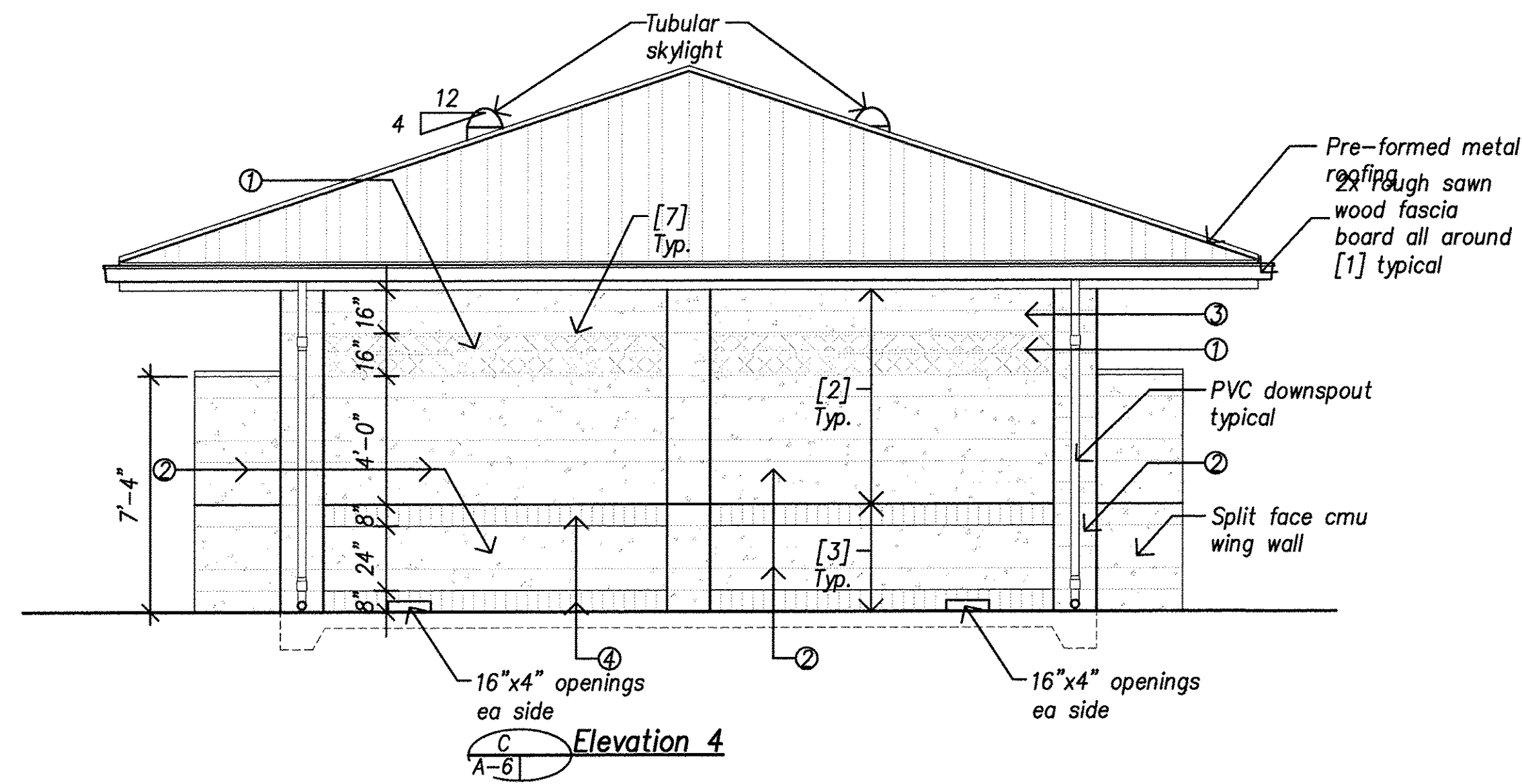
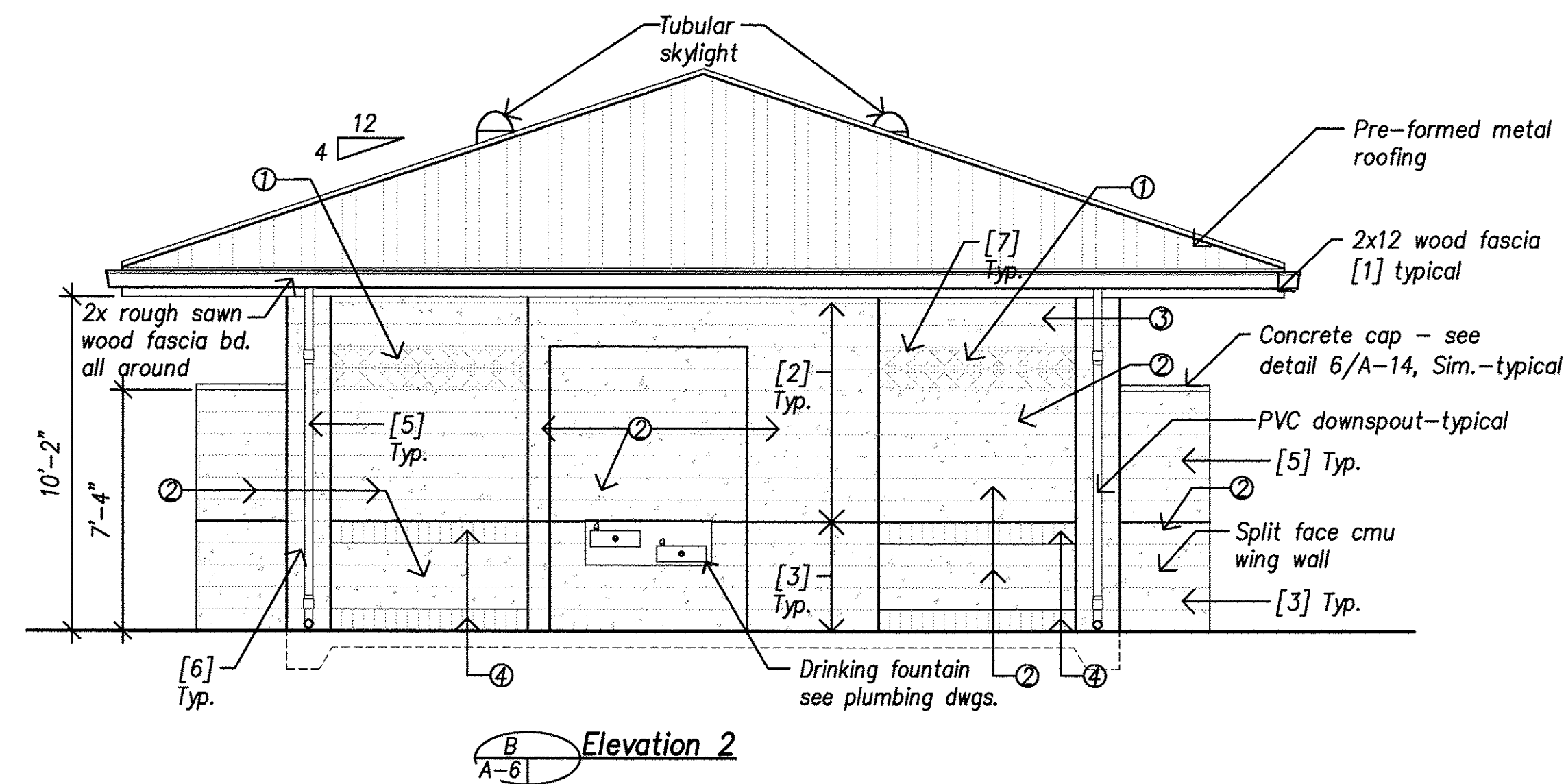
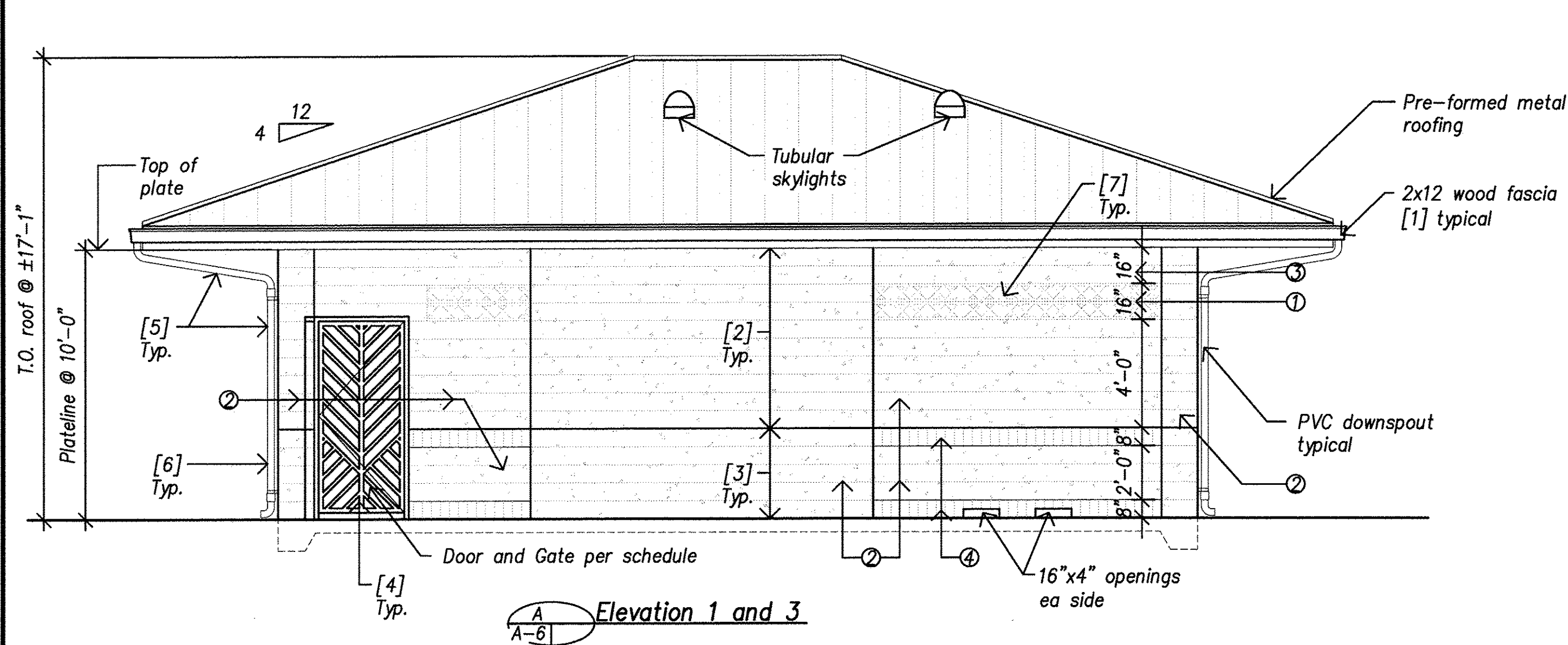
Rough sawn 2x12
wood fascia all
around-typ.



A
A-31- Restroom Floor Plan - Typical

Key To Elevations

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION CENTRAL MAUI REGIONAL SPORTS COMPLEX PHASE 4 WAILUKU, MAUI, HAWAII RESTROOM FLOOR, RCP, ROOF PLAN					
DESIGNED: AY		SUBMITTED: AY			
DRAWN: LE, RA		DATE: AUGUST 2016			
CHECKED: AY		SCALE: 1/4" = 1'-0"			
APPROVED:		DRAWING NO.			
SIGNATURE		DATE			
CHIEF ENGINEER		AUG - 8 2016		A-3	



Sheet Notes

1. See sheet A/A-12 for accessible heights.
2. See detail 2/A-15 for tubular skylight detail.
3. See sheet A-13 for sign locations.
4. Painting not required for exterior metal soffit panels, interior ceiling metal panels, doors and door frames.
5. See sheet A-13 for exterior paint schedule and colors.

Legend

- ① Screen Block
 [#] Item to be painted and paint color

Concrete Masonry Unit Legend

- ① Screen Block
 ② Split Face One Face
 ③ Smooth Face
 ④ Fluted, Split Block

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
<p>STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION CENTRAL MAUI REGIONAL SPORTS COMPLEX PHASE 4 WAILUKU, MAUI, HAWAII</p> <p>RESTROOM ELEVATIONS & PAINT SCHEDULES</p>					
DESIGNED: AY		SUBMITTED: AY			
DRAWN: LE, RA		DATE: AUGUST 2016			
CHECKED: AY		SCALE: 1/4" = 1'-0"			
APPROVED:		AUG - 8 2016		DRAWING NO. A-6	
SIGNATURE: <i>[Signature]</i>		DATE:			
CHIEF ENGINEER					

Architectural cross-section drawing of a building exterior wall and roof assembly. The drawing shows the roof structure with a 12/3 pitch, metal roofing, and a truss system. The wall assembly includes pre-formed metal panels, 2x12 rough sawn fascia board, and concrete masonry units (CMU) with smooth-face and split-face courses. The base of the wall features a concrete slab-on-grade and a 4-inch thick cast-in-place concrete countertop and bench. Dimensions and material specifications are provided throughout the drawing.

Labels and Callouts:

- Peak flashing
- ROOF PITCH 12/3
- Metal roofing o/ metal deck
- TRUSS SYSTEM SEE STRUCTURAL DRAWINGS
- Backstop fence. See Civil dwgs.
- 3 A-15
- ±17'-1" Top of Roof
- 2x8 rough sawn fascia board
- Pre-formed metal wall panels o/ underlayment. (typical)
- 2x12 rough sawn fascia board
- TOP OF PLATE
- Metal ceiling panels
- 30# felt
- Smooth-face cmu top block @ top course
- Split-face cmu
- Bottom of CMU
- 4" thick cast-in-place concrete countertop and bench. See structural dwgs
- concrete slab-on-grade
- Finish grade

Dimensions:

- 2'-10" max.
- 1'-6"
- 1'-0"
- 1'-10"
- 1'-4"
- 3"
- 8'-0"
- 2'-1"

[illegible]

Architectural cross-section drawing of a roof and exterior wall assembly.

Roof Assembly:

- ROOF PITCH 12/4
- Metal roofing
- Prefinished sheet metal gutter
- ROUGH SAWN 2x12 WOOD FASCIA
- TRUSS SYSTEM SEE STRUCTURAL DRAWINGS
- 30# felt

Wall Assembly:

- Metal soffit panels on roof framing. (Typ.)
- Smooth-face block @ top course. 5'-6" overhang
- Split-face block
- Split-face CMU column beyond
- Vee flute split-face block
- Split-face block
- Vee flute split-face block
- Smooth-face CMU wall @ interior-painted.
- 10'-2" Top of plate
- Concrete Slab-on-grade
- Vapor Barrier
- Gravel Base Course
- Concrete footing See struct. dwg.

Interior Details:

- Metal ceiling panel on furring channels @ 2'-0" O.C. (Typ.)
- 1X3 Frieze board all around
- Screen blocks where occurs. Flush to interior.

Notes:

- Note: Vertical joints to be flush w/ cmu face.
- DELETE** (crossed out section)
- Ext. (Exterior)
- Int. (Interior)
- CMU block. Rake horizontal joints and flush vertical (typical)
- Refer to Civil Plans for continuation
- Concrete sidewalk

TRUSS SYSTEM
SEE STRUCTURAL
DRAWINGS

TOP OF PLATE

Metal ceiling panels on furring channels @ 2'-0" O.C. (Typ.)

30# felt @ b.o. plate

Smooth-face CMU wall per plan-painted

Metal ceiling panels on furring channels @ 2'-0" O.C. (Typ.)

1x3 Frieze board all around

Metal plate per structural dwgs

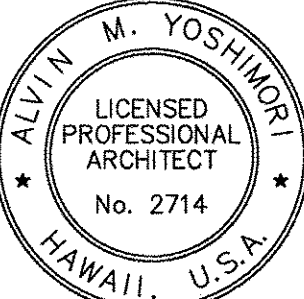

10'-2"

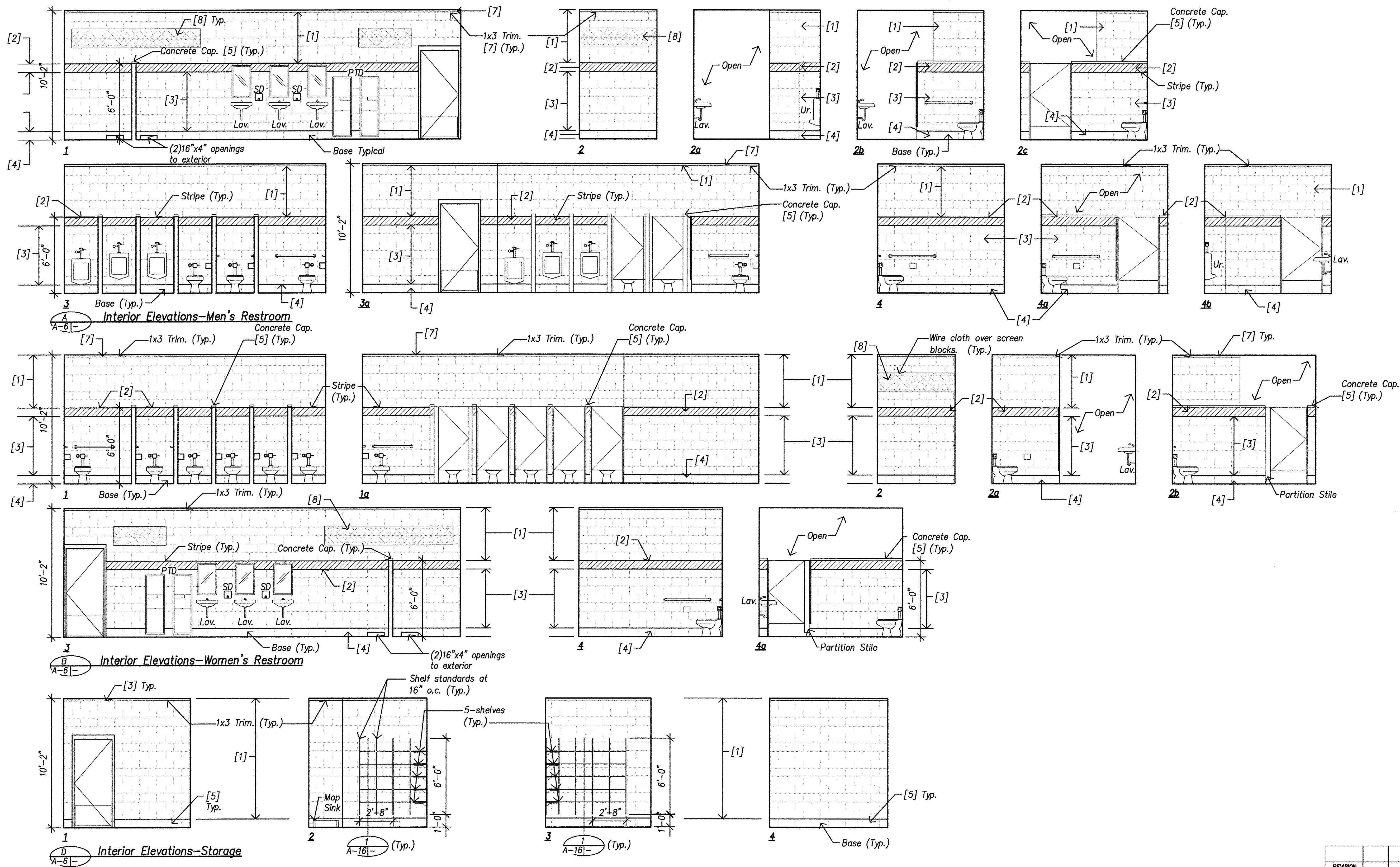
Concrete slab-on-grade

Vapor Barrier (Typ.)

Gravel Base Course

Concrete footing
See Structural

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
		STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION CENTRAL MAUI REGIONAL SPORTS COMPLEX PHASE 4 WAILUKU, MAUI, HAWAII WALL SECTIONS			
LICENSE EXPIRATION DATE: 4-30-2018					
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.		DESIGNED: AY DRAWN: LE, RA CHECKED: AY		SUBMITTED: AY DATE: AUGUST 2016 SCALE: 3/4" = 1'-0"	
(Observation of Construction as Defined in the Hawaii Administrative Rules, Dept. of Commerce and Consumer Affairs, Professional Engineers, Architectural Surveyors and Landscape Architects)		APPROVED:  CHIEF ENGINEER		AUG - 8 2016 DATE	
SIGNATURE DATE		DRAWING NO. A-8			



Sheet Notes

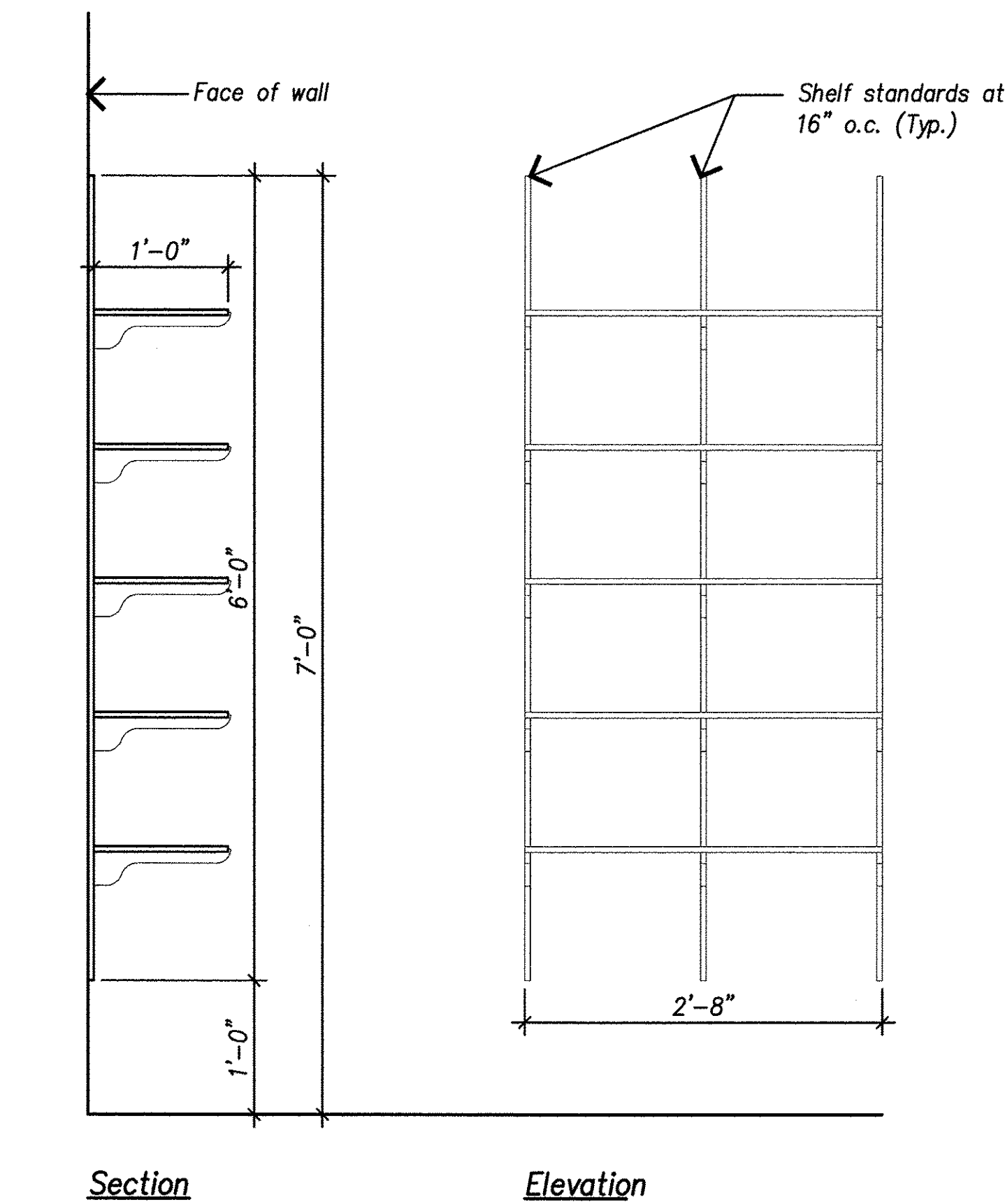
- See A/A-12 for mounting heights and locations of accessible fixtures and accessories.
- All interior finish to be epoxy paint over smooth finish CMU.
- All interior cmu joints to be tooled.
- Painting not required for exterior metal soffit panels, interior ceiling metal panels, doors and door frames.
- See sheet A-13 for interior paint schedule and colors.

Legend

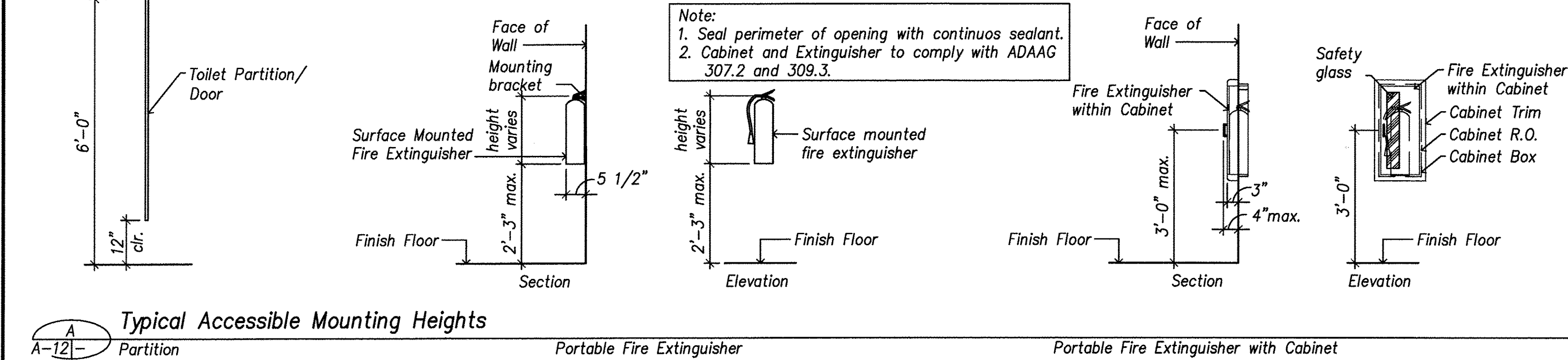
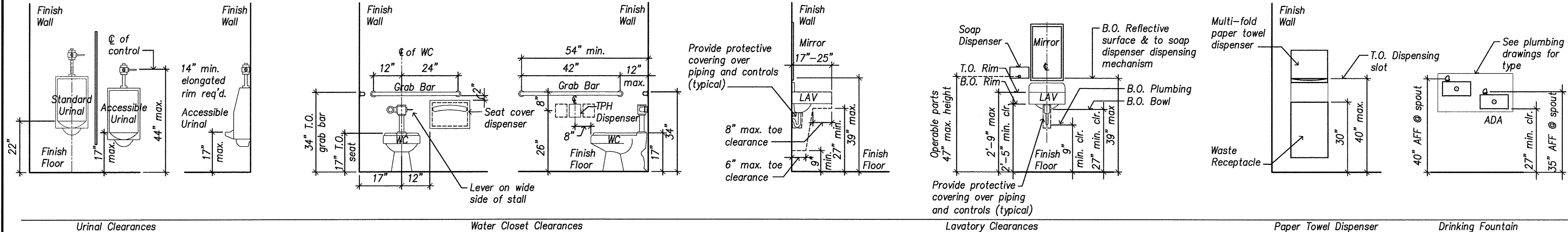
[#] Item to be painted and paint color.

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
<div style="display: flex; justify-content: space-between;"> <div> <p>STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION</p> <p>CENTRAL MAUI REGIONAL SPORTS COMPLEX PHASE 4 WAILUKU, MAUI, HAWAII</p> <p>RESTROOM INTERIOR ELEVATIONS</p> </div> <div> <p>DESIGNED: AY</p> <p>DRAWN: LE, RA</p> <p>CHECKED: AY</p> <p>APPROVED: <i>[Signature]</i> CHIEF ENGINEER</p> </div> <div> <p>SUBMITTED: AY</p> <p>DATE: AUGUST 2016</p> <p>SCALE: 1/4" = 1'-0"</p> <p>DATE: AUG - 8 2016</p> </div> <div> <p>DRAWING NO. A-10</p> </div> </div>					

ROOM FINISH SCHEDULE									
ROOM NAME		FLOOR		BASE	WALLS	CEILING	REMARKS		
		Epoxy Paint	Concrete (Medium Broom Finish)	Epoxy Paint	Epoxy Paint	Metal Ceiling Panels			
CONCESSION BUILDING	MEN	•		•	•	•	•	N.I.C.	
	STORAGE	•		•	•	•	•		
	WOMEN	•		•	•	•	•		
	CONCESSION	•		•	•	•	•		
	STORAGE	•		•	•	•	•		
RESTROOM BUILDING	MEN	•		•	•	•	•	N.I.C.	
	STORAGE	•		•	•	•	•		
	WOMEN	•		•	•	•	•		
LARGE SCORERS BOOTH Additive Bid Item 3	SCORE KEEPERS BOOTH	•		•	•	•	•	N.I.C.	
	MAINTENANCE STORAGE	•		•	•	•	•		
SMALL SCORERS BOOTH Additive Bid Items 3 & 4	SCORE KEEPERS BOOTH	•		•	•	•	•	N.I.C.	
	TEAM STORAGE #1	•		•	•	•	•		
	TEAM STORAGE #2	•		•	•	•	•		



Metal Shelves in Storage
Scale: 1" = 1'-0"



REVISION NO.

SYM.

DESCRIPTION

SHT./OF

DATE

APPROVED

ALVIN M. YOSHIMORI

LICENSED PROFESSIONAL ARCHITECT

No. 2714

HAWAII, U.S.A.

LICENSE EXPIRATION DATE: 4-30-2018

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

(Observation of Construction as defined in the Hawaii Administrative Rules, Dept. of Commerce and Consumer Affairs, Professional Engineers, Architects, Surveyors and Landscape Architects)

SIGNATURE

DATE

STATE OF HAWAII

DEPARTMENT OF LAND AND NATURAL RESOURCES

ENGINEERING DIVISION

CENTRAL MAUI REGIONAL SPORTS COMPLEX

PHASE 4

WAILUKU, MAUI, HAWAII

ROOM FINISH SCHEDULE, ADA MOUNTING HOT

DESIGNED: AY

DRAWN: LE, RA

CHECKED: AY

APPROVED:

CHIEF ENGINEER

SUBMITTED: AY

DATE: AUGUST 2016

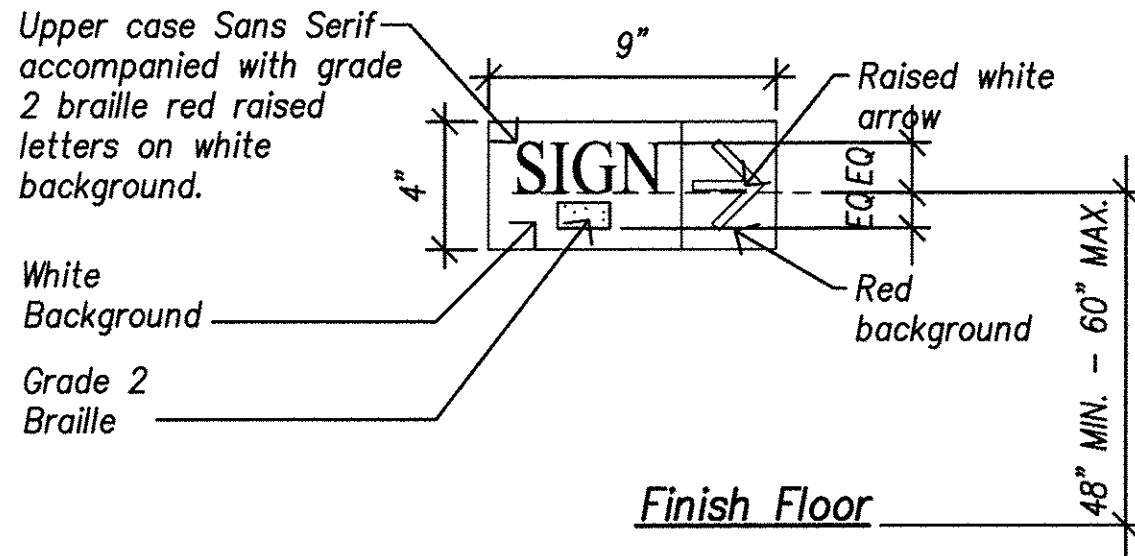
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DRAWING NO. A-12

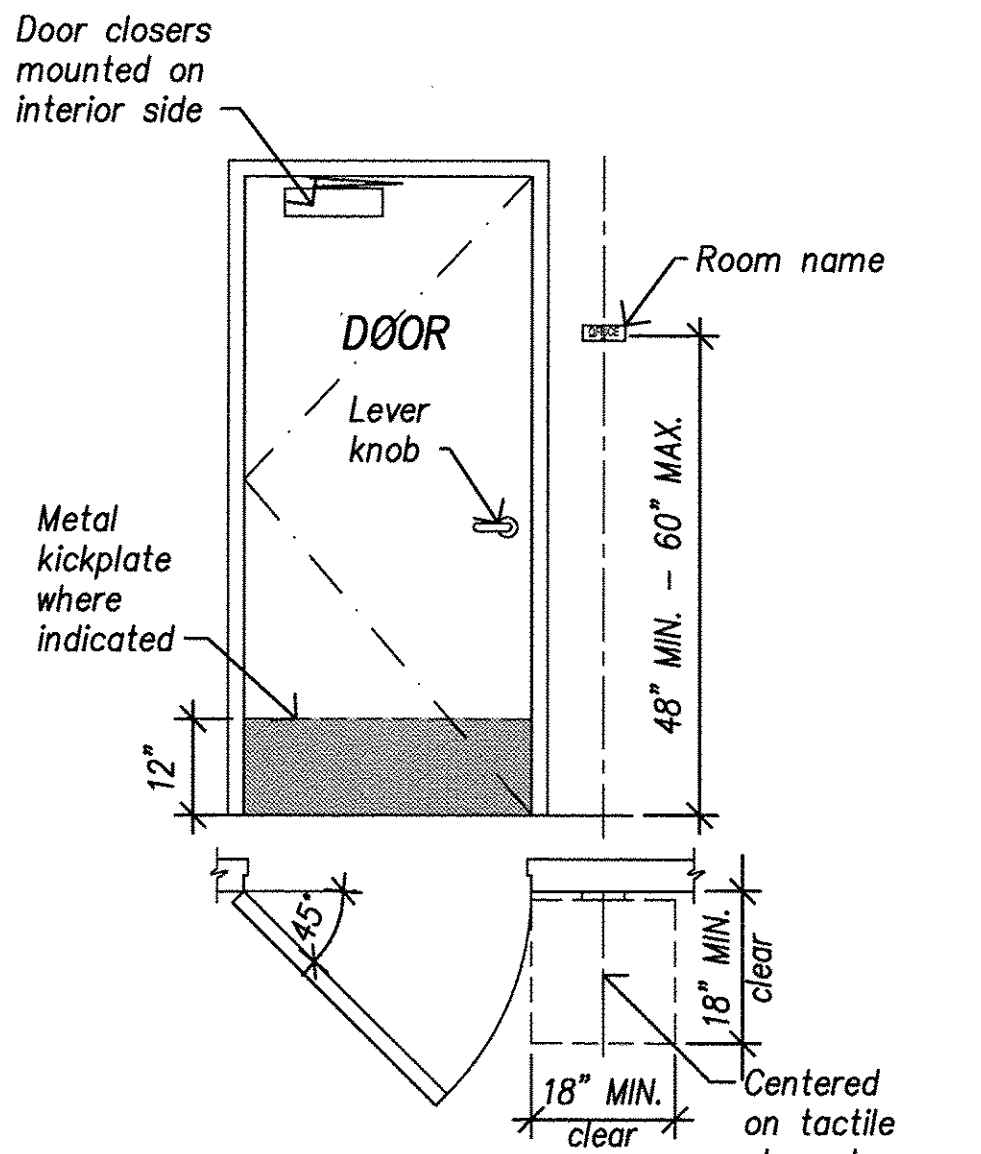
Door Schedule													
	Door No.	Size Width x Height (W) (H)	Door/Gate Type	Thickness (inches) (Note 2)	Construction (Note 3)	Facing & Finish (Note 4)	Door Frame (Note 5)	Details			H/DWE Group	Remarks	
								Head	Jamb	Threshold			
CONCESSION BUILDING	1	See Gate Type	B	2"	STL	P	STL	8/A-14	8/A-14	-	4	N.I.C.	
	2	3'-0" x 7'-0"	A	1 3/4"	PF	FRP	AL	1/A-14	1/A-14	1/A-14	1		
	3	3'-0" x 7'-0"	A	1 3/4"	PF	FRP	AL	1/A-14	1/A-14	1/A-14	3		
	4	See Gate Type	B	2"	STL	P	STL	8/A-14	8/A-14	-	4		
	5	3'-0" x 7'-0"	A	1 3/4"	PF	FRP	AL	1/A-14	1/A-14	1/A-14	1		
	6	See Gate Type	C	2"	STL	P	STL	6/A-16	6/A-16	-	5		See detail 4/A-16 for cane bolt detail
	7	3'-0" x 7'-0"	A	1 3/4"	PF	FRP	AL	1/A-14	1/A-14	1/A-14	2		
	8	8'-0" x 4'-6"	D	-	AL	AL	AL	5/A-14	5/A-14	5/A-14	-		Roll-up Coiling Door
RESTROOM BUILDING	1	See Gate Type	B	2"	STL	P	STL	8/A-14	8/A-14	-	4		
	2	3'-0" x 7'-0"	A	1 3/4"	PF	FRP	AL	1/A-14	1/A-14	1/A-14	1		
	3	3'-0" x 7'-0"	A	1 3/4"	PF	FRP	AL	1/A-14	1/A-14	1/A-14	3		
	4	See Gate Type	B	2"	STL	P	STL	8/A-14	8/A-14	-	4		
	5	3'-0" x 7'-0"	A	1 3/4"	PF	FRP	AL	1/A-14	1/A-14	1/A-14	1		
SCORERS BOOTH TYPES A AND B Additive Bid Items 3 & 4	1	See Gate Type	C	2"	STL	P	STL	8/A-14	8/A-14	-	4	N.I.C.	
	2	3'-0" x 7'-0"	A	1 3/4"	PF	FRP	AL	1/A-14	1/A-14	1/A-14	2		
	3	See Gate Type	C	2"	STL	P	STL	8/A-14	8/A-14	-	4		
	4	3'-0" x 7'-0"	A	1 3/4"	PF	FRP	AL	1/A-14	1/A-14	1/A-14	2		
	5	See Gate Type	C	2"	STL	P	STL	8/A-14	8/A-14	-	4		
	6	3'-0" x 7'-0"	A	1 3/4"	PF	FRP	AL	1/A-14	1/A-14	1/A-14	2		
	7	See Gate Type	D	2"	STL	P	STL	8/A-14	8/A-14	-	5		(PAIR)
	8	3'-0" x 7'-0"	A	1 3/4"	PF	FRP	AL	1/A-14	1/A-14	1/A-14	6		(PAIR) - Sign shall be located to the right of the right hand door.

Door Notes List

- () Around any entry indicates remark noted in remarks column pertains.
- All doors are 1-3/4" thick unless otherwise noted.
- Door construction:
PF = Polyurethane Foam
STL = Steel
- Facing and Finish. (See also Door Schedule Remarks list.)
FRP = Fiber Reinforced Plastic
P = Paint
- Door Frame:
AL = Aluminum
STL = Steel
- All doors required to be accessible to receive smooth surface kick plate per ADAAG 404.2.10.
- Door closing speed shall comply with ADAAG 404.2.8.
A. Door Closers: Door closers and gate closers all be adjusted so that from an open position of 90 degrees, the time required to move the door to a position of 12 degrees from the latch is 5 seconds minimum.
- Signs to comply with ADAAG 703.
A. Sign installation heights and locations to comply with ADAAG 703.4.
B. Sign visual characters to comply with ADAAG 703.5.
C. See sheet A-12 for rooms requiring signs.
D. See floor plans for sign locations.

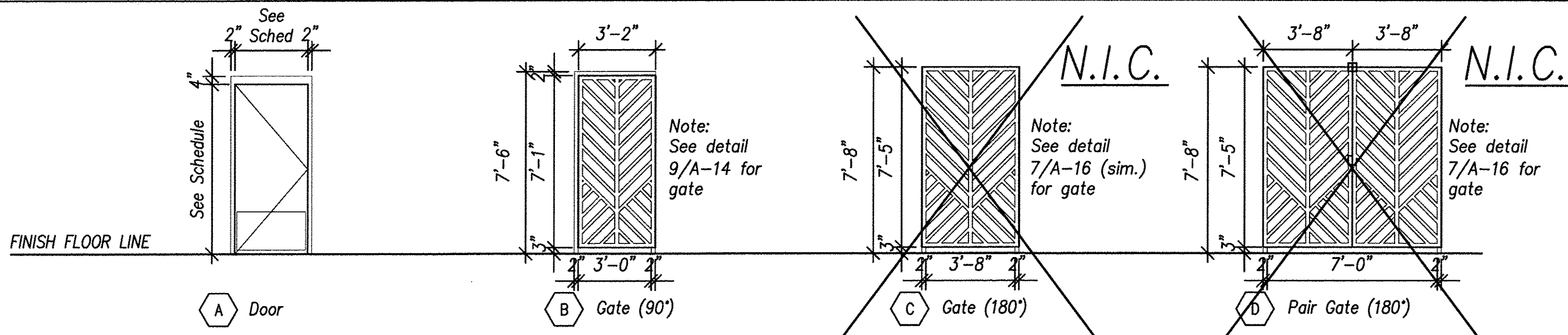


2
A-13- Sign Elevation
Not to scale



1
A-13- Typical Door (where applicable)
Not to scale

Door and Gate Types



EXTERIOR PAINT COLOR SCHEDULE

BUILDING	ITEM/SURFACE	MANUFACTURER	PRODUCT NO.	COLOR NAME	LOCATION	REMARKS
Concession Restroom and Restroom	[1]-Paint / Roof Fascia	Devoe Paint	90YR 16/ 129	Light Choclat		(1)
	[2]-Paint / CMU Walls	Devoe Paint	10YY 41/ 083	Castle Rock	Above Wainscot	(1)
	[3]-Paint / CMU Wall Wainscot	Devoe Paint	90YR 16/ 129	Light Choclat	Wainscot	(1), (2)
	[4]-Paint / Metal Gate & Frame	Devoe Paint	10YY 21/ 119	Minnesota Pines		(1)
	[5]-Paint / PVC Downspout	Devoe Paint	10YY 41/ 083	Castle Rock	Above Wainscot	(1)
	[6]-Paint / PVC Downspout	Devoe Paint	90YR 16/ 129	Light Choclat	Wainscot Height	(1)
	[7]-Paint / CMU Screen Block	Devoe Paint	10YY 41/ 083	Castle Rock		(1), (3)

Remarks:

- See Exterior Elevations for locations of item nos.
- Paint 5 CMU courses high above floor line for wainscot.
- Paint CMU screen block web surfaces and exterior face. For interior face of screen block, see interior paint schedule.

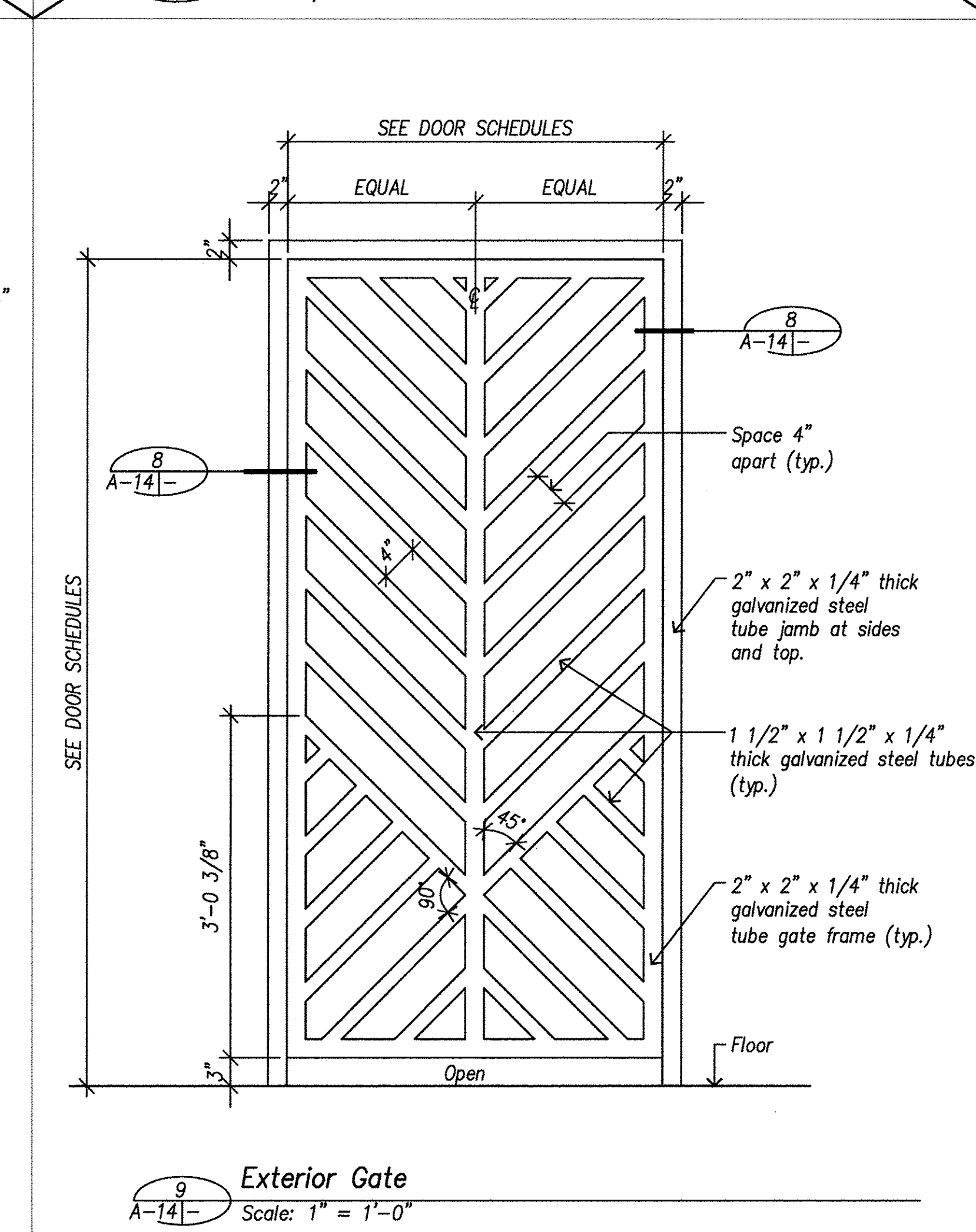
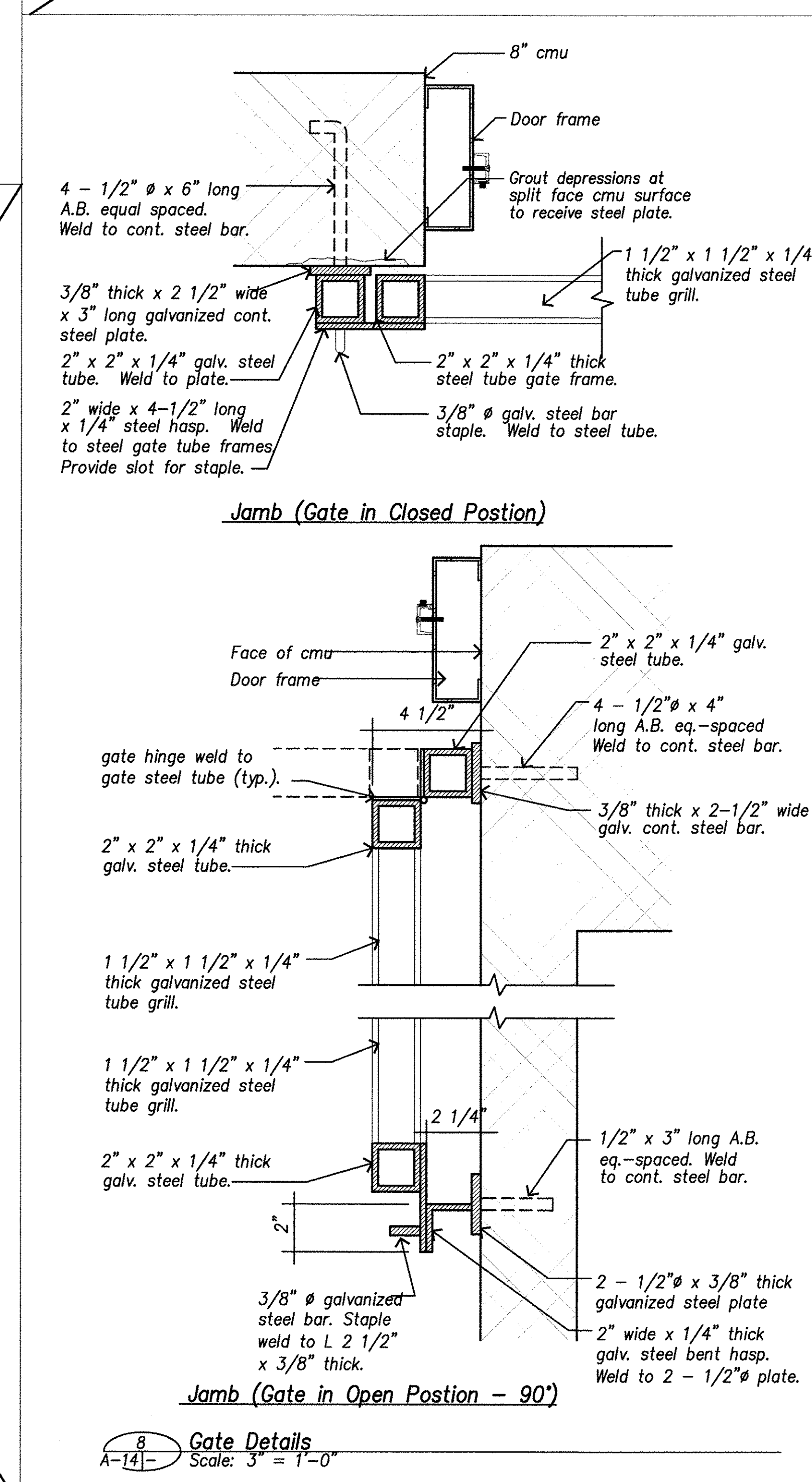
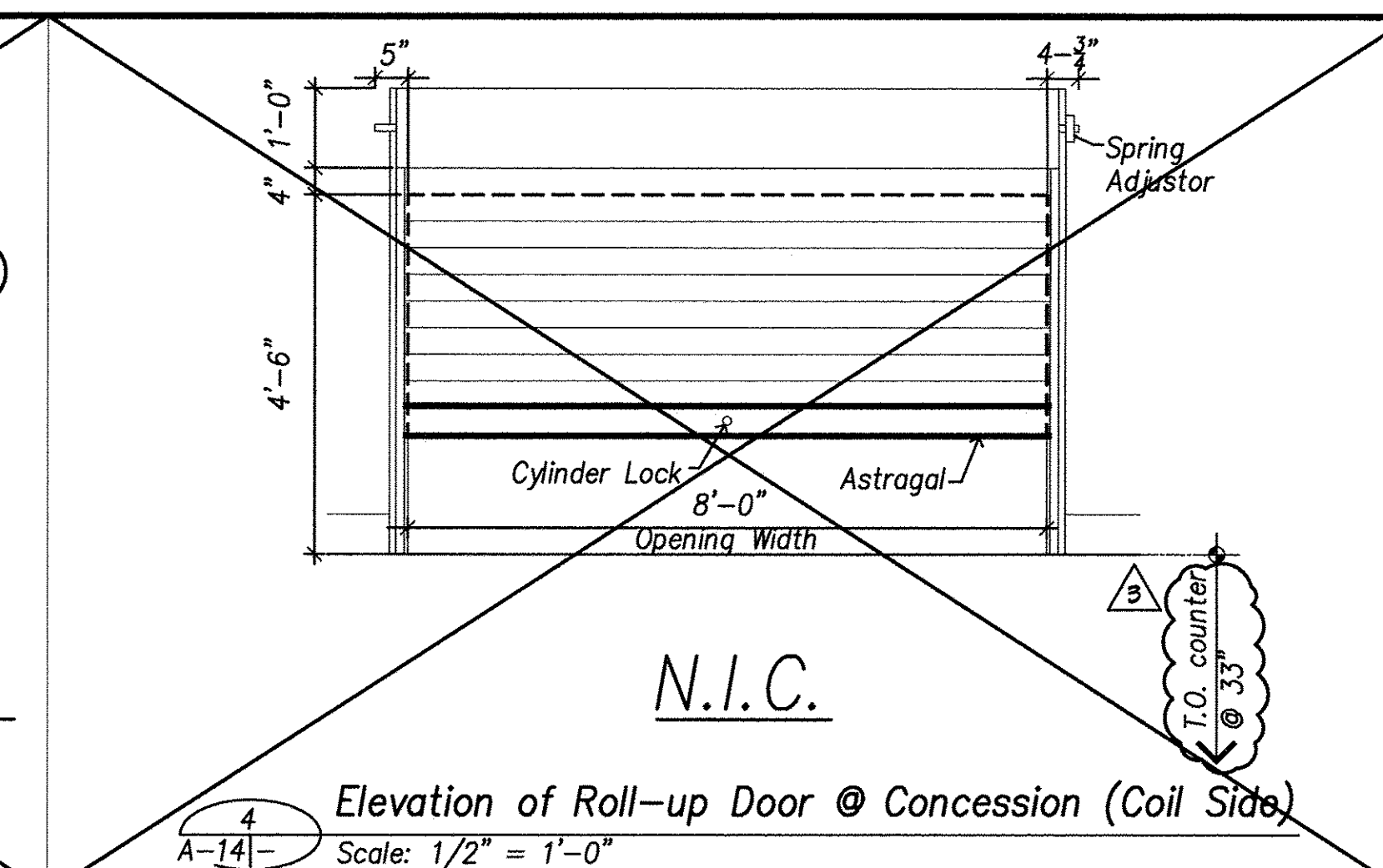
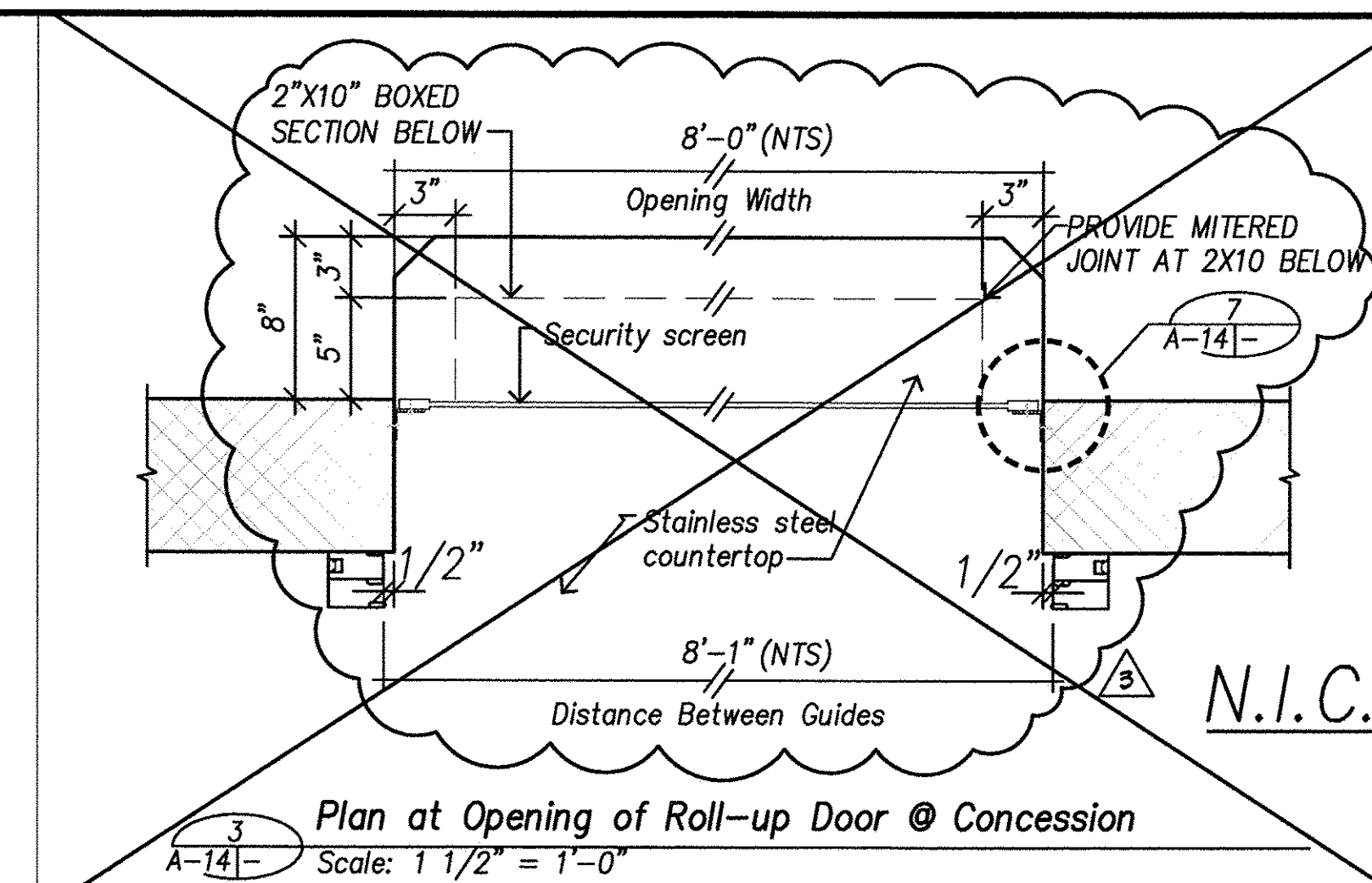
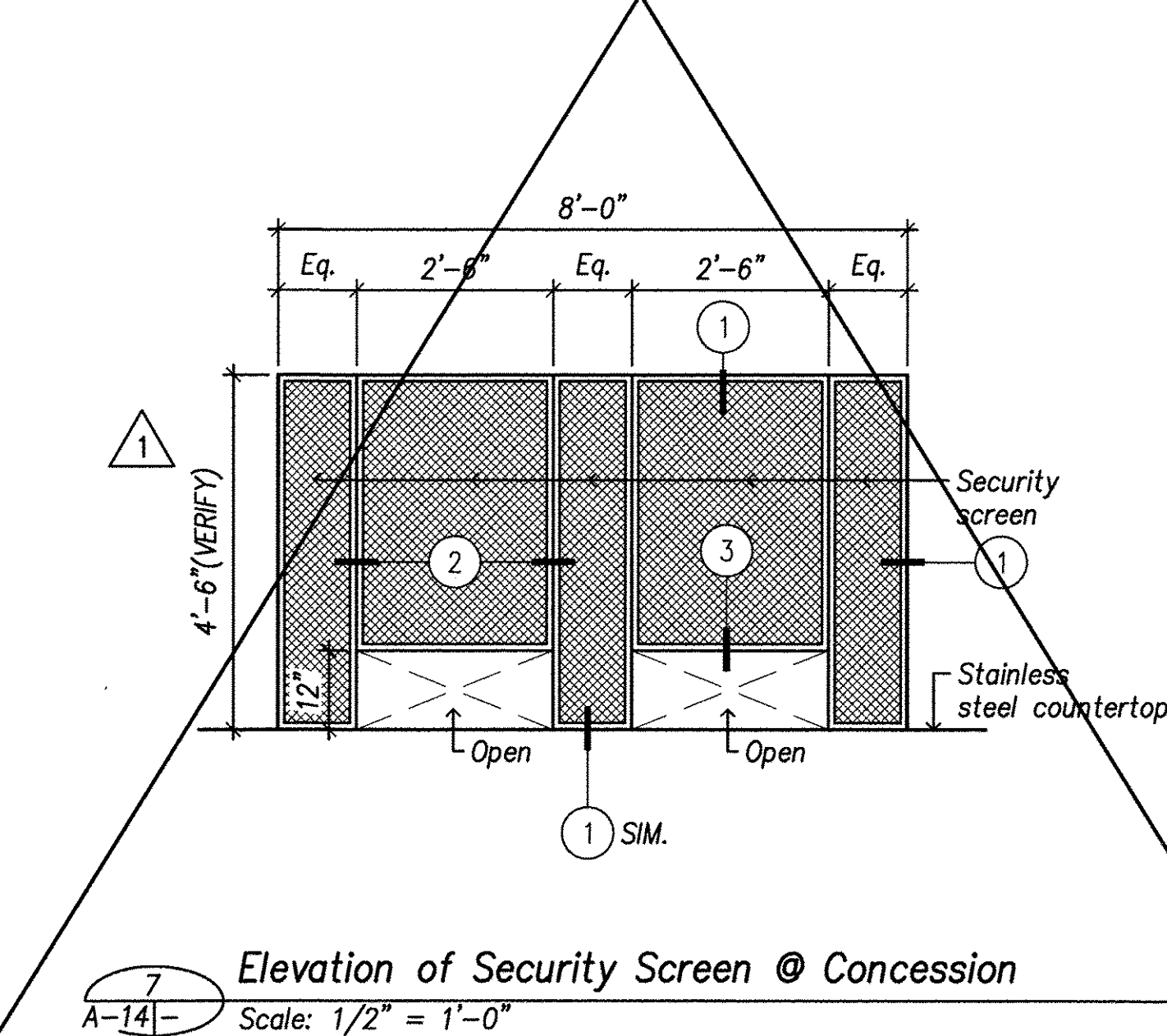
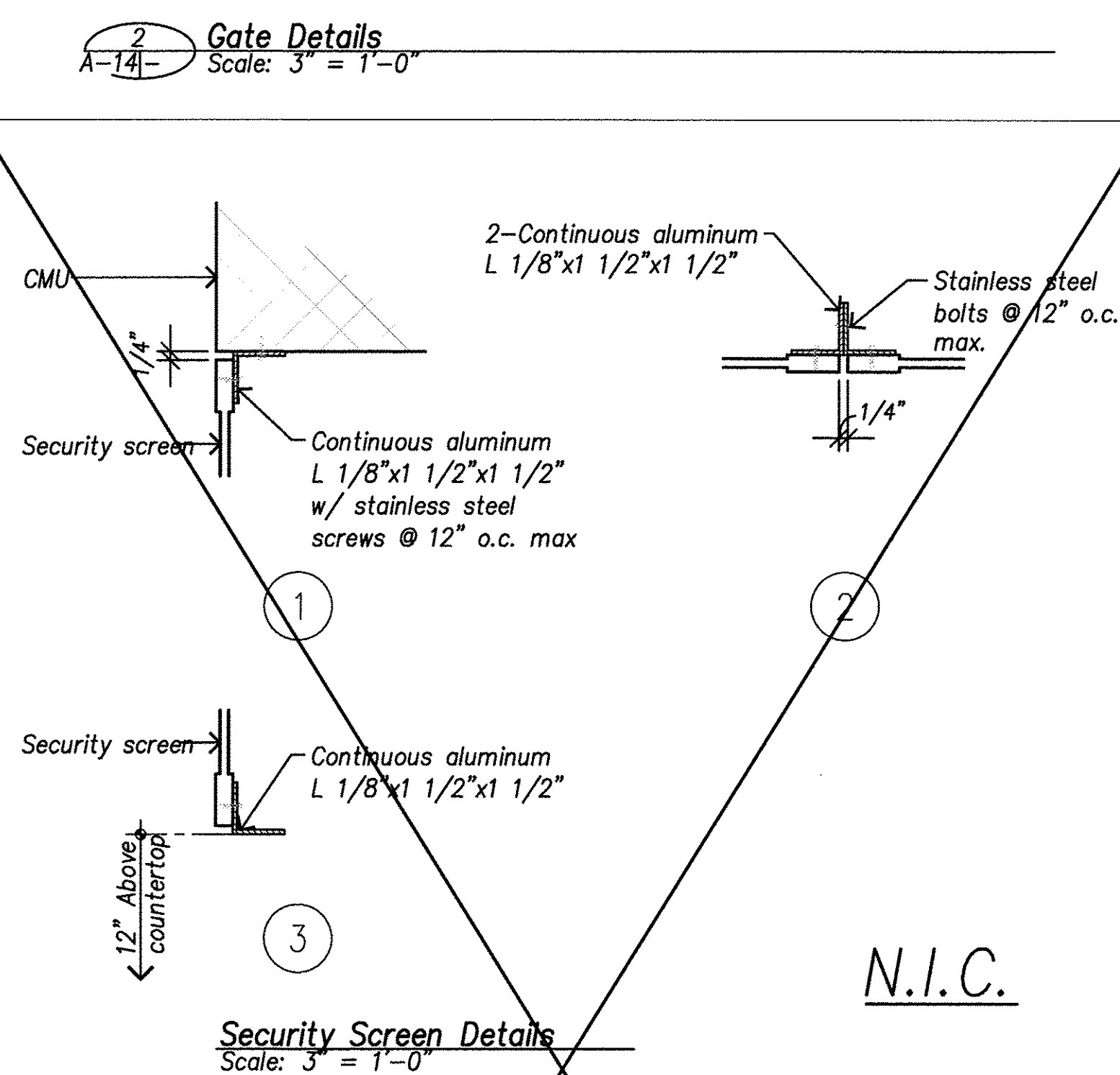
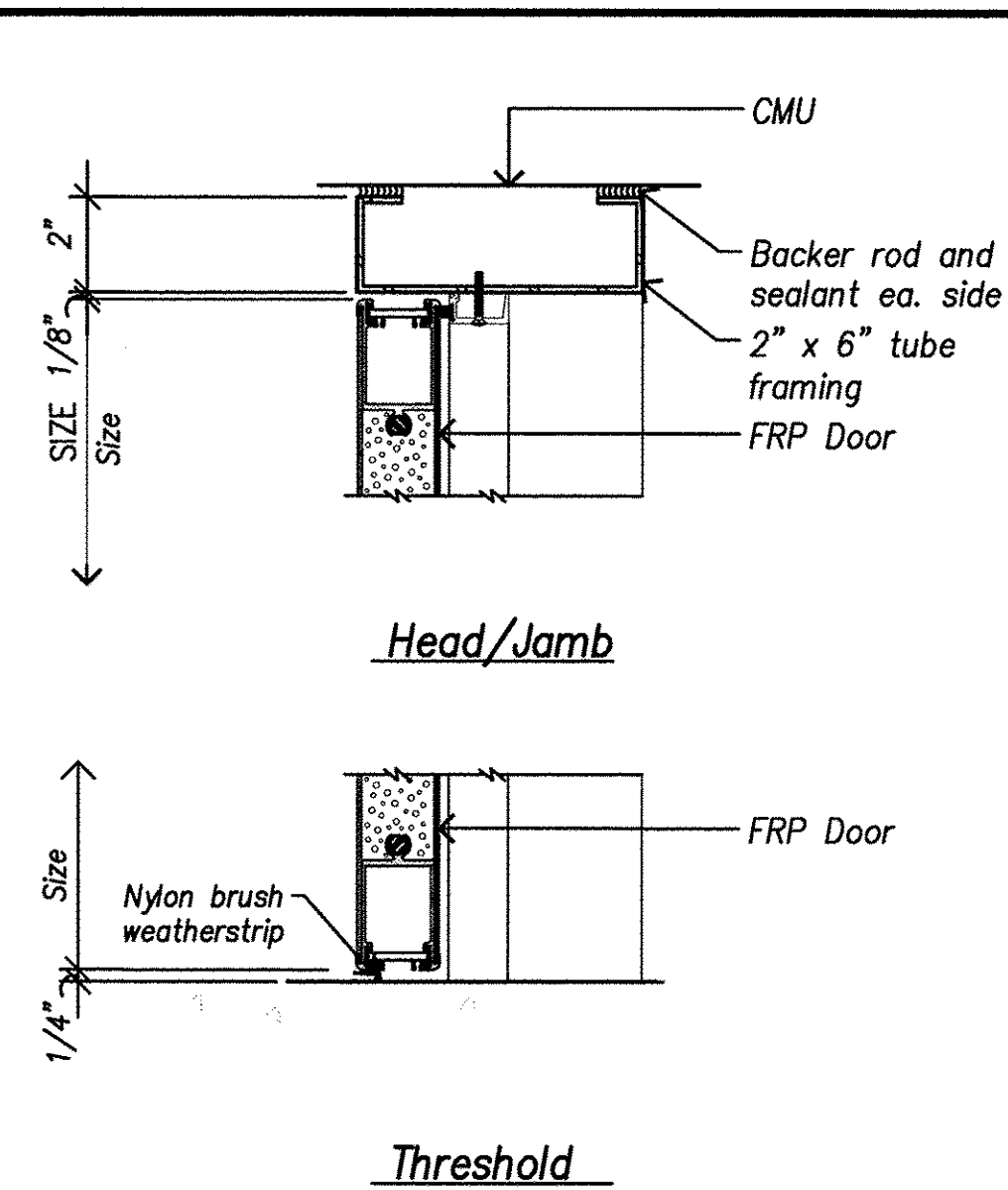
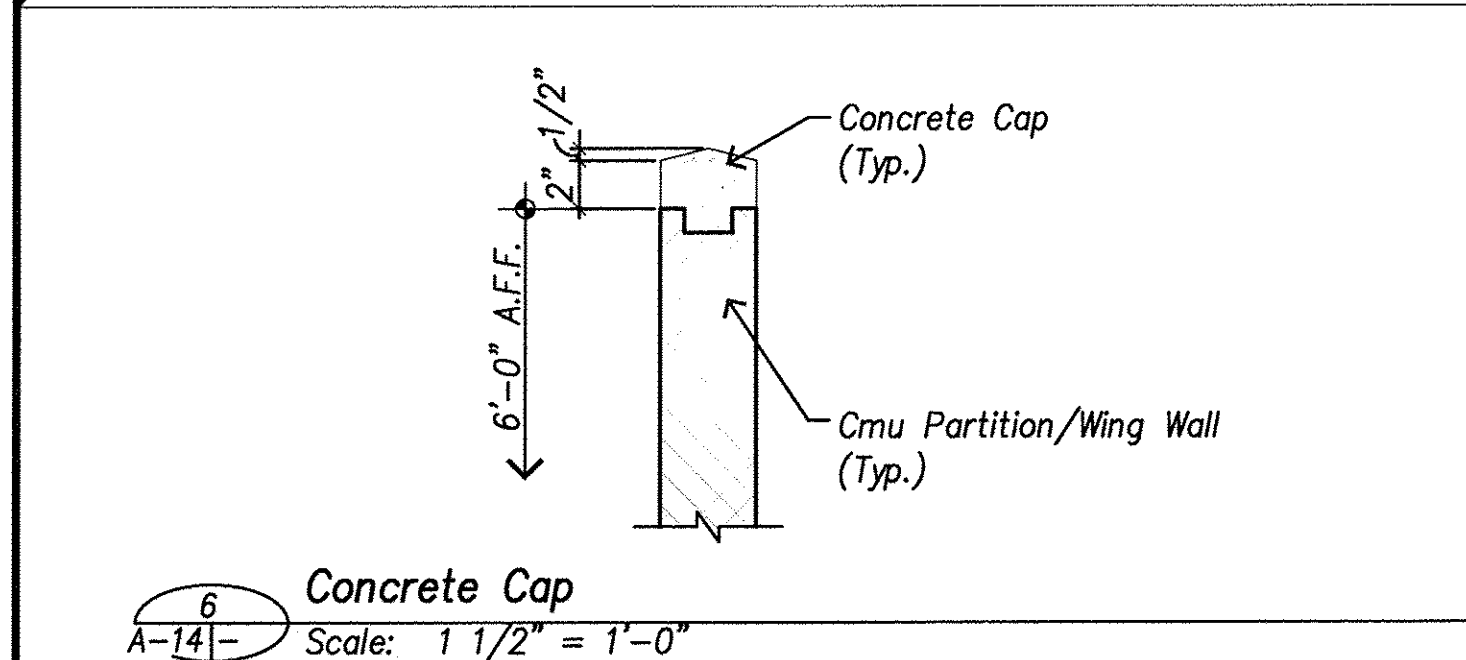
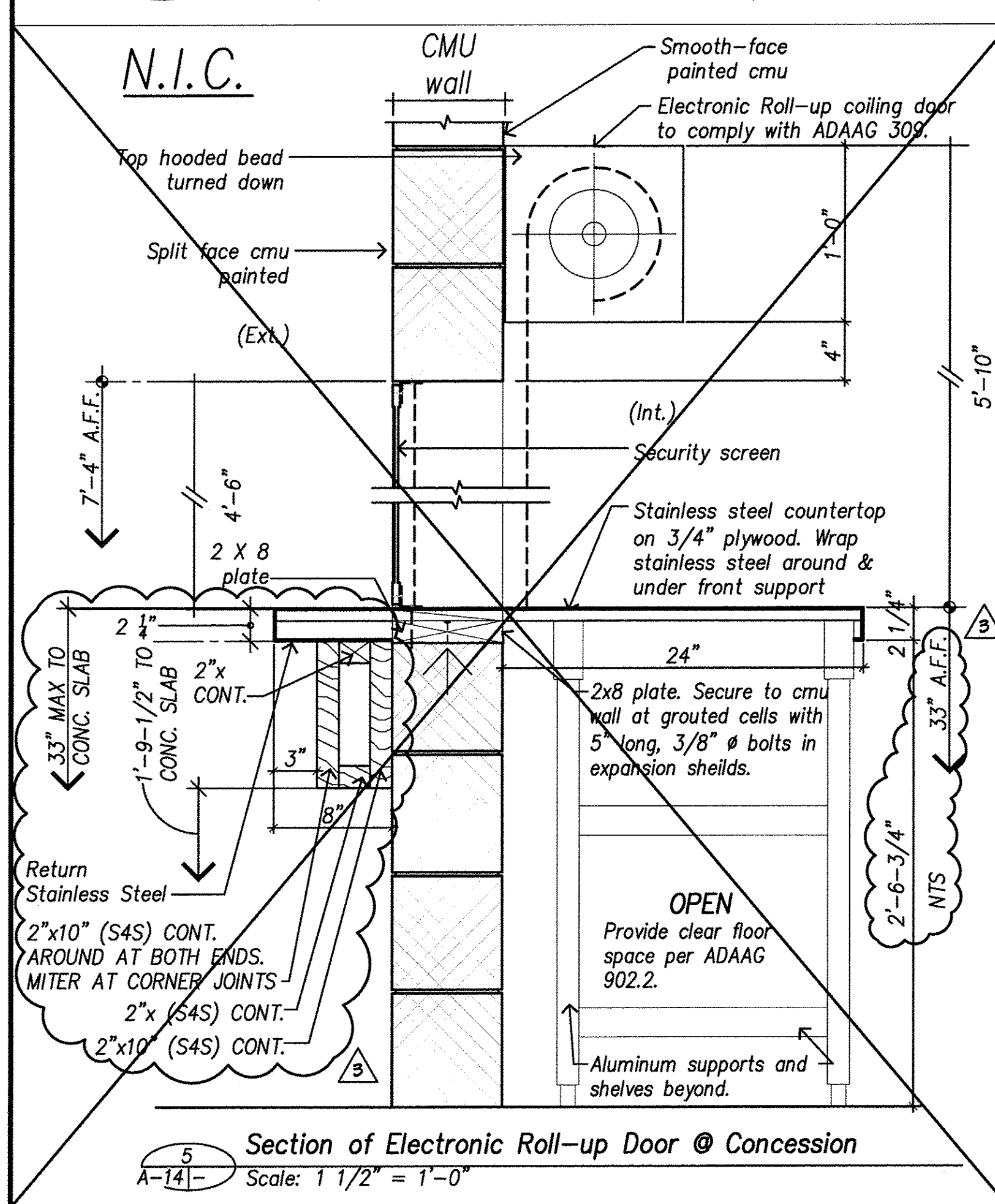
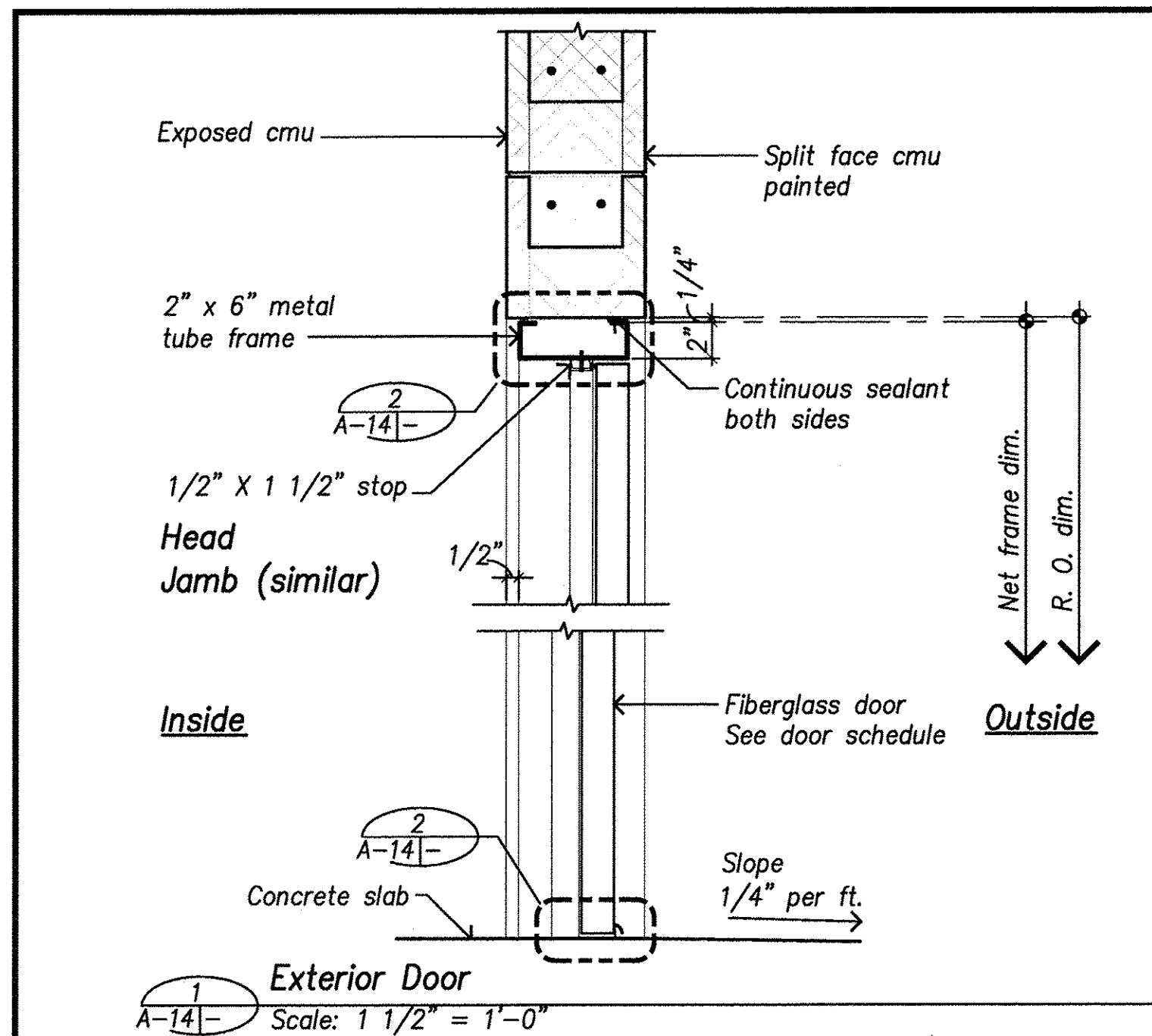
INTERIOR PAINT COLOR SCHEDULE

Room	ITEM/SURFACE	MANUFACTURER	PRODUCT NO.	COLOR NAME	LOCATION	REMARKS
Men's	[1]-Paint / CMU Walls	Devoe Paint	30YY 68/ 024	Barley Beige	Above Stripe Paint	(1)
	[2]-Paint / CMU Walls	Devoe Paint	70BG 11/ 257	Lakemont Blue	Stripe on Wall	(1)
	[3]-Paint / CMU Walls	Devoe Paint	30YY 46 /036	Zeppelin	Wainscot	(1)
	[4]-Paint / CMU Wall Base	Devoe Paint	30YY 20/ 029	Mansard Stone	Wall Base	(1), (2)
	[5]-Paint / Concrete Partition Cap	Devoe Paint	30YY 68/ 024	Barley Beige	Concrete Toilet Partition Cap	(1)
	[6]-Paint / Concrete Floor	Devoe Paint	30YY 20/ 029	Mansard Stone	Floor Slab	(3)
	[7]-Paint / Frieze Board	Devoe Paint	30YY 68/ 024	Barley Beige	Wall Ceiling Corner Trim	(1)
	[8]-Paint / CMU Screen Blocks	Devoe Paint	30YY 68/ 024	Barley Beige	Interior Face of Screen Blocks	(1)
Women's	[1]-Paint / CMU Walls	Devoe Paint	40YY 60/ 113	Manuscript	Above Stripe Paint	(1)
	[2]-Paint / CMU Walls	Devoe Paint	10GY 21/ 119	Minnesota Pines	Stripe on Wall	(1)
	[3]-Paint / CMU Walls	Devoe Paint	50YY 43/ 103	Arcadia House	Wainscot	(1)
	[4]-Paint / CMU Wall Base	Devoe Paint	00YY 26/ 220	Creme Brulee	Wall Base	(1), (2)
	[5]-Paint / Concrete Partition Cap	Devoe Paint	40YY 60/ 113	Manuscript	Concrete Toilet Partition Cap	(1)
	[6]-Paint / Concrete Floor	Devoe Paint	00YY 26/ 220	Creme Brulee	Floor Slab	
	[7]-Paint / Frieze Board	Devoe Paint	40YY 60/ 113	Manuscript	Wall Ceiling Corner Trim	(1)
	[8]-Paint / CMU Screen Blocks	Devoe Paint	40YY 60/ 113	Manuscript	Interior Face of Screen Blocks	(1)
Storage	[1]-Paint / CMU Walls	Devoe Paint	30YY 68/ 024	Barley Beige	Above Wainscot	(1)
	[2]-Paint / CMU Walls	Devoe Paint	30YY 46/ 036	Zeppelin	Wainscot	(1), (4)
	[3]-Paint / Frieze Board	Devoe Paint	30YY 68/ 024	Barley Beige	Wall Ceiling Corner Trim	
	[4]-Paint / Concrete Floor	Devoe Paint	30YY 20/ 029	Mansard Stone	Floor Slab	(3)
	[5]-Paint / CMU Wall Base	Devoe Paint	30YY 20/ 029	Mansard Stone	Wall Base	(2)
Concession Storage	[1]-Paint / CMU Wall	Devoe Paint	30YY 68/ 024	Barley Beige		(1)
	[2]-Paint / CMU Wall Base	Devoe Paint	10YY 27/ 060	Arrow Wood	Wall Base	(1), (3)
	[3]-Paint / Concrete Floor	Devoe Paint	10YY 27/ 060	Arrow Wood	Floor Slab	(2)
	[4]-Paint / Frieze Board	Devoe Paint	30YY 68/ 024	Barley Beige	Wall Ceiling Corner Trim	(1)
	[5]-Paint / CMU Screen Blocks	Devoe Paint	30YY 68/ 024	Barley Beige	Interior Face of Screen Blocks	(1)
Concession	[1]-Paint / CMU Wall	Devoe Paint	30YY 68/ 024	Barley Beige		(1)
	[2]-Paint / CMU Wall Base	Devoe Paint	10YY 27/ 060	Arrow Wood	Wall Base	(1), (2)
	[3]-Paint / Concrete Floor	Devoe Paint	10YY 27/ 060	Arrow Wood	Floor Slab	(3)
	[4]-Paint / Frieze Board	Devoe Paint	30YY 68/ 024	Barley Beige	Wall Ceiling Corner Trim	(1)
	[5]-Paint / CMU Screen Blocks	Devoe Paint	30YY 68/ 024	Barley Beige	Interior Face of Screen Blocks	(1)

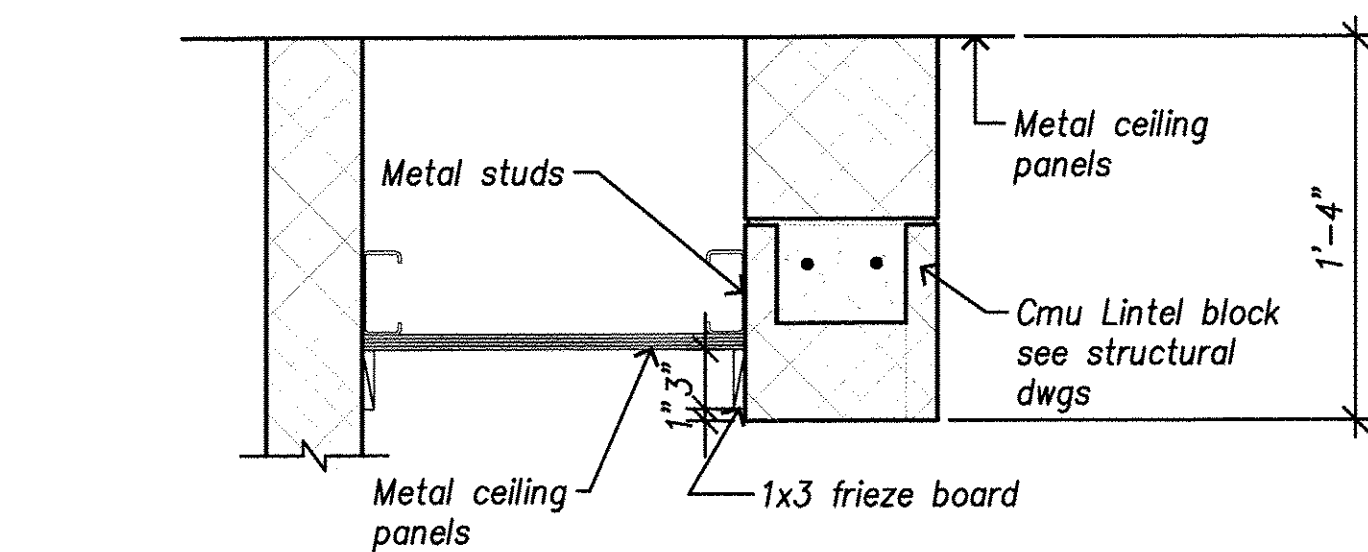
Remarks:

- See Interior Elevations for locations of item nos.
- Paint 1 CMU courses high for base.
- Paint floor with non-slip finish.
- Paint wainscot on all four walls.

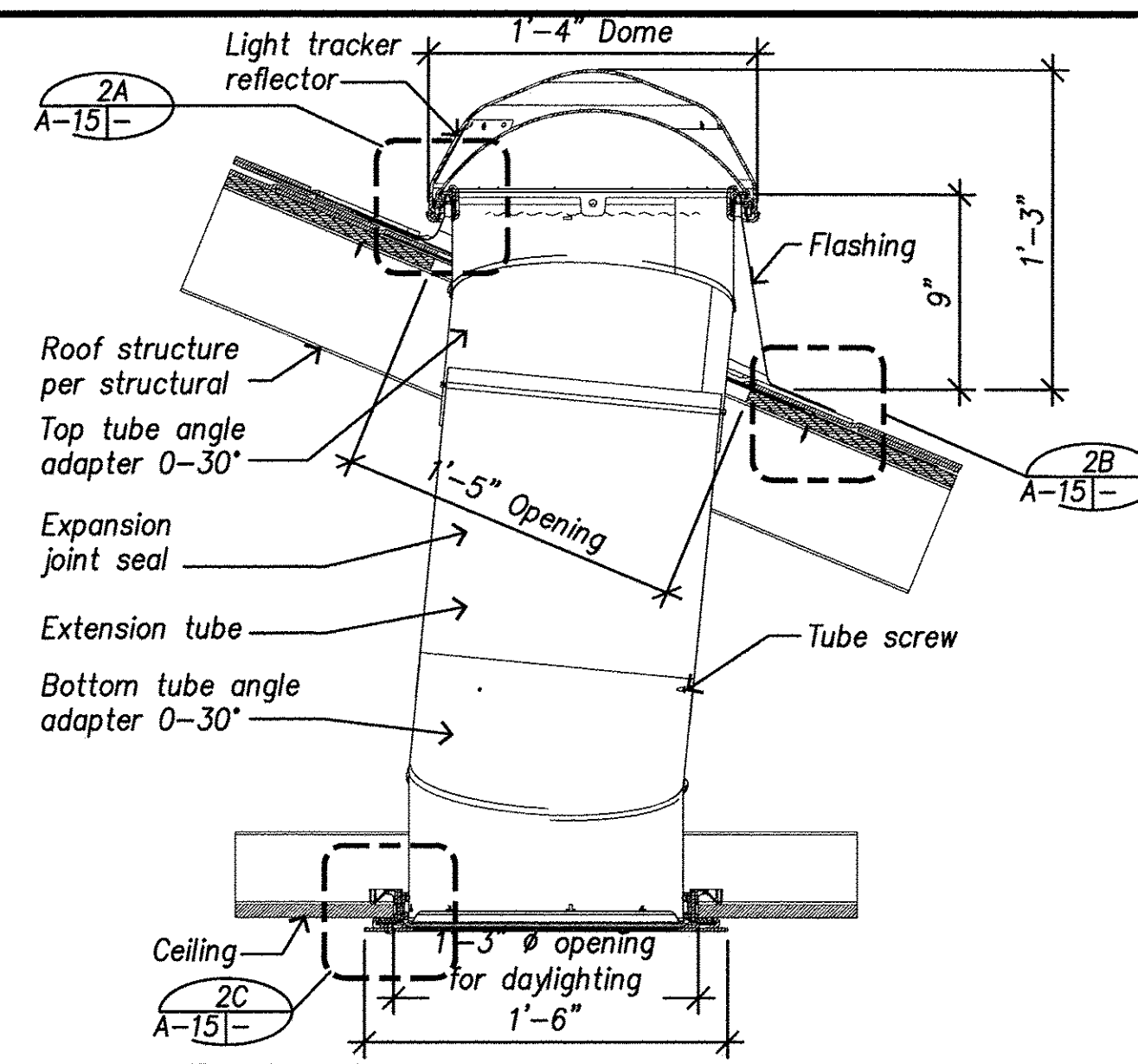
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<div>ALVIN M. YOSHIMORI LICENSED PROFESSIONAL ARCHITECT No. 2714 HAWAII, U.S.A.</div> <div>LICENSE EXPIRATION DATE: 4-30-2018 THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. (Observation of Construction as defined in the Hawaii Administrative Rules, Dept. of Commerce and Consumer Affairs, Professional Engineers, Architects, Surveyors and Landscape Architects)</div>					
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION CENTRAL MAUI REGIONAL SPORTS COMPLEX PHASE 4 WAILUKU, MAUI, HAWAII DOOR SCHED. & TYPES, INT. PAINT SCHED.					
DESIGNED: AY		SUBMITTED: AY			
DRAWN: LE, RA		DATE: AUGUST 2016			
CHECKED: AY		SCALE: 1/4" = 1'-0"			
APPROVED:		AUG - 8 2016		DRAWING NO.	
SIGNATURE		DATE		A-13	



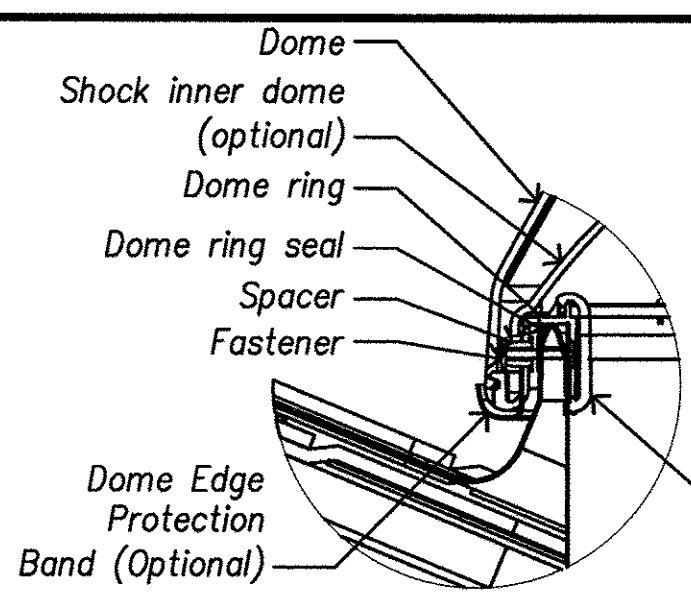
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DESIGNED: AY		SUBMITTED: AY			
DRAWN: LE, RA		DATE: AUGUST 2016			
CHECKED: AY		SCALE: AS NOTED			
APPROVED:		AUG - 8 2016		DRAWING NO. A-14	
SIGNATURE		DATE		CHIEF ENGINEER	



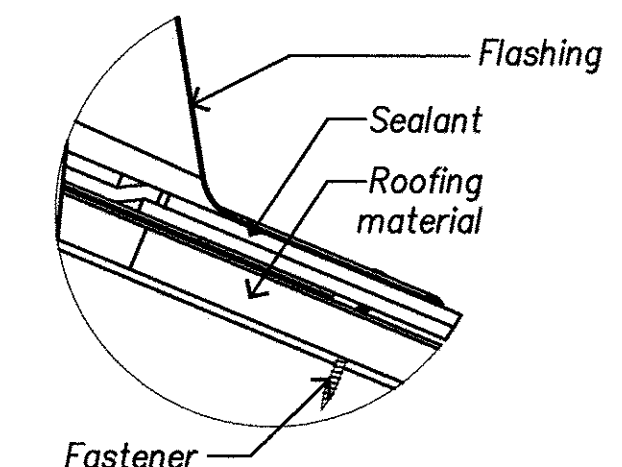
Ceiling at Drinking fountain
A-15 Scale: 1 1/2" = 1'-0"



Tubular Skylight
A-15 Scale: 1 1/2" = 1'-0"

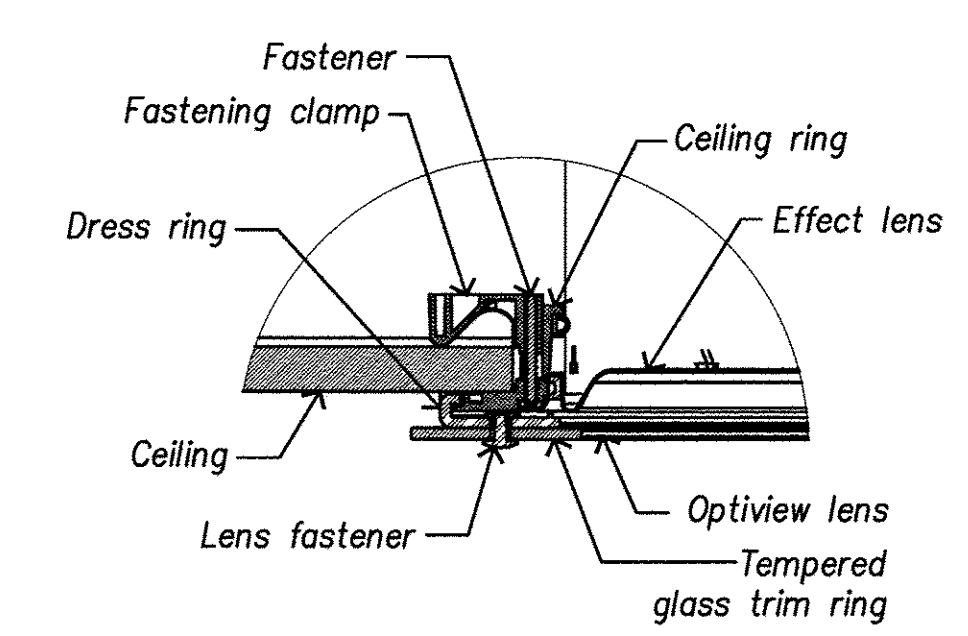


Daylighting System
A-15 Scale: NTS

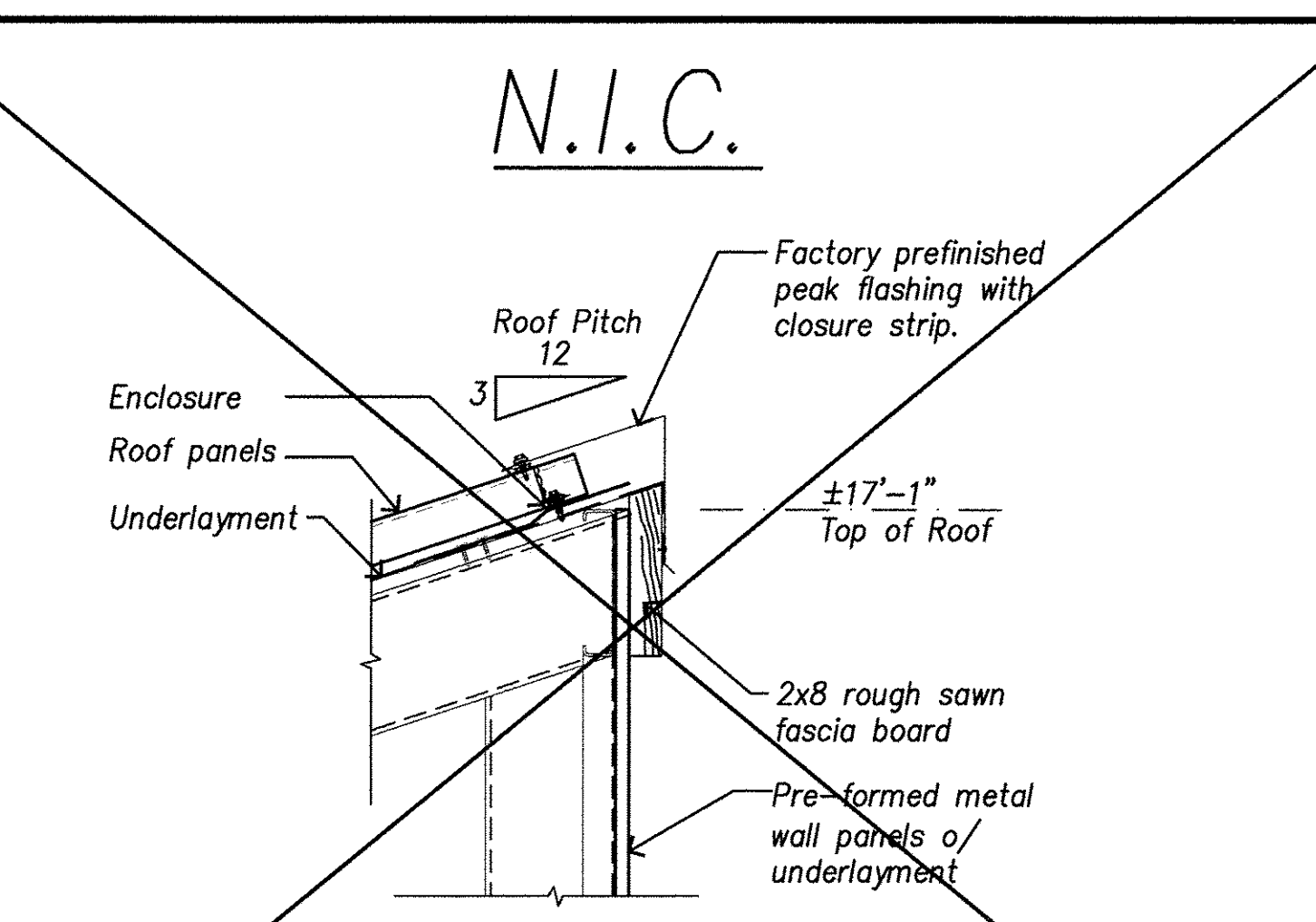


Daylighting System
A-15 Scale: NTS

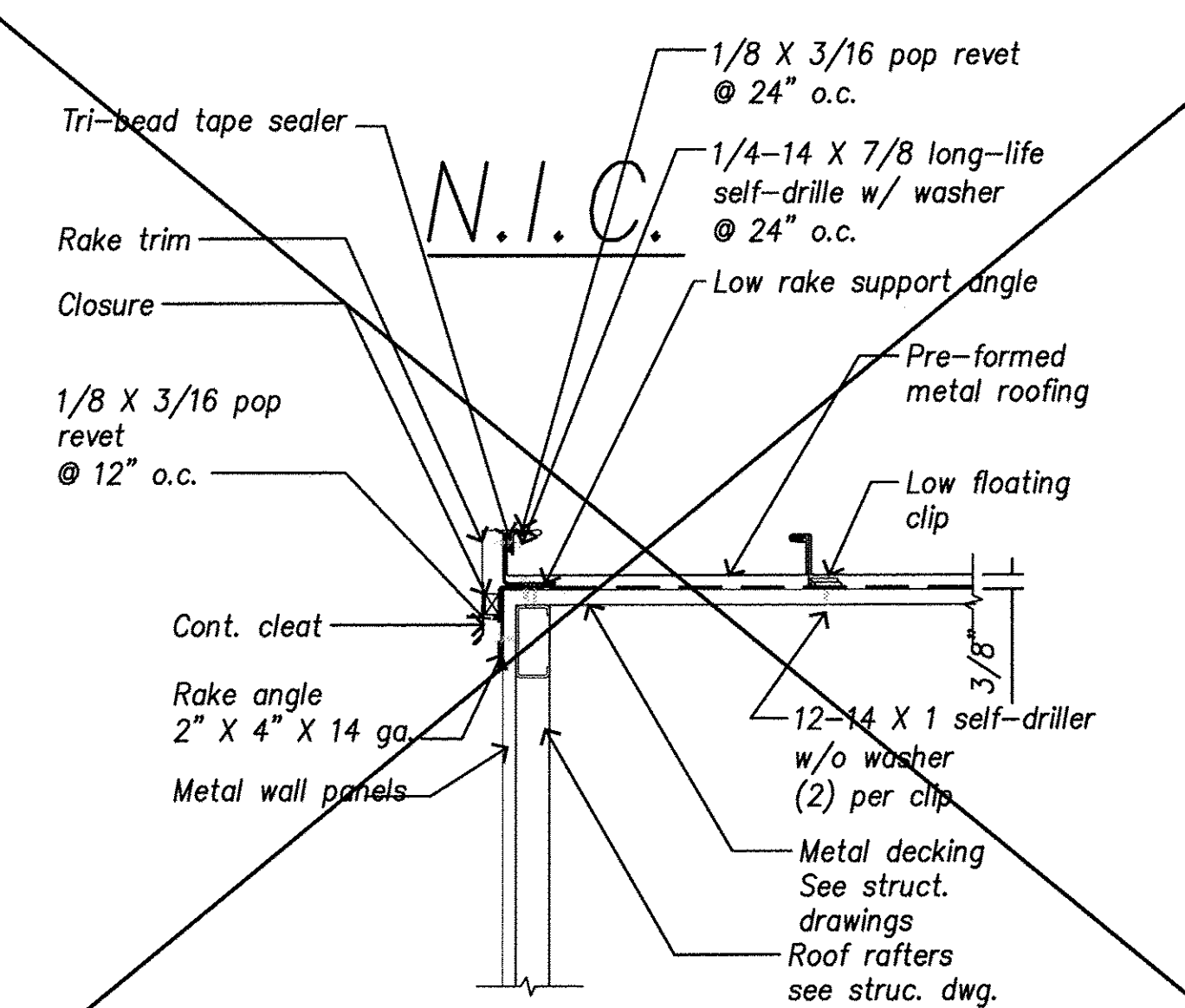
Notes:
1. Structural elements (See structural drawings).
2. All tube joints and seams taped with 2" foil tape (not shown).
3. Dimensions in brackets are metric unless otherwise specified.
4. 6" min. clearance should be maintained from all daylighting components and other plenum components.



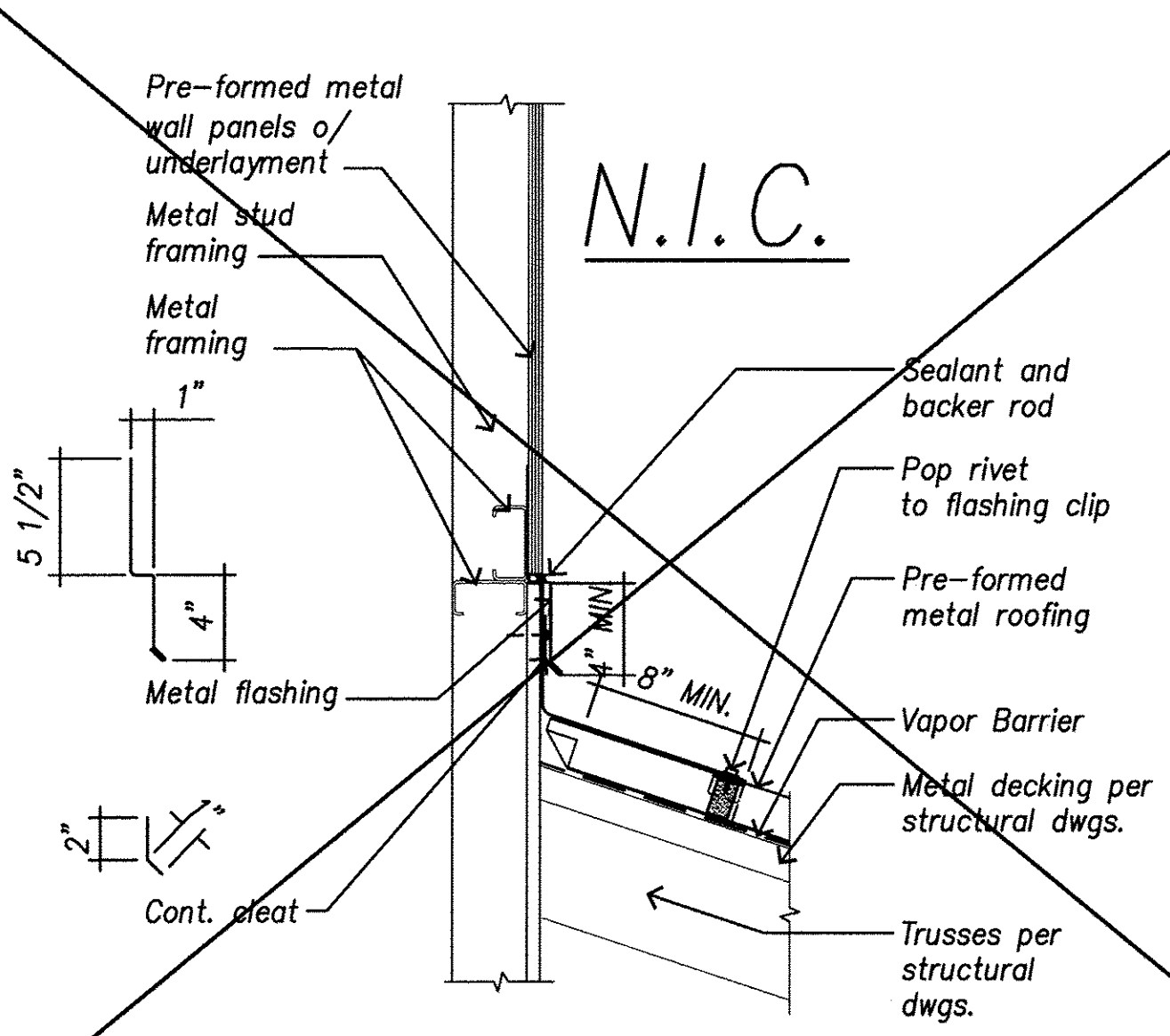
Daylighting system
A-15 Scale: NTS



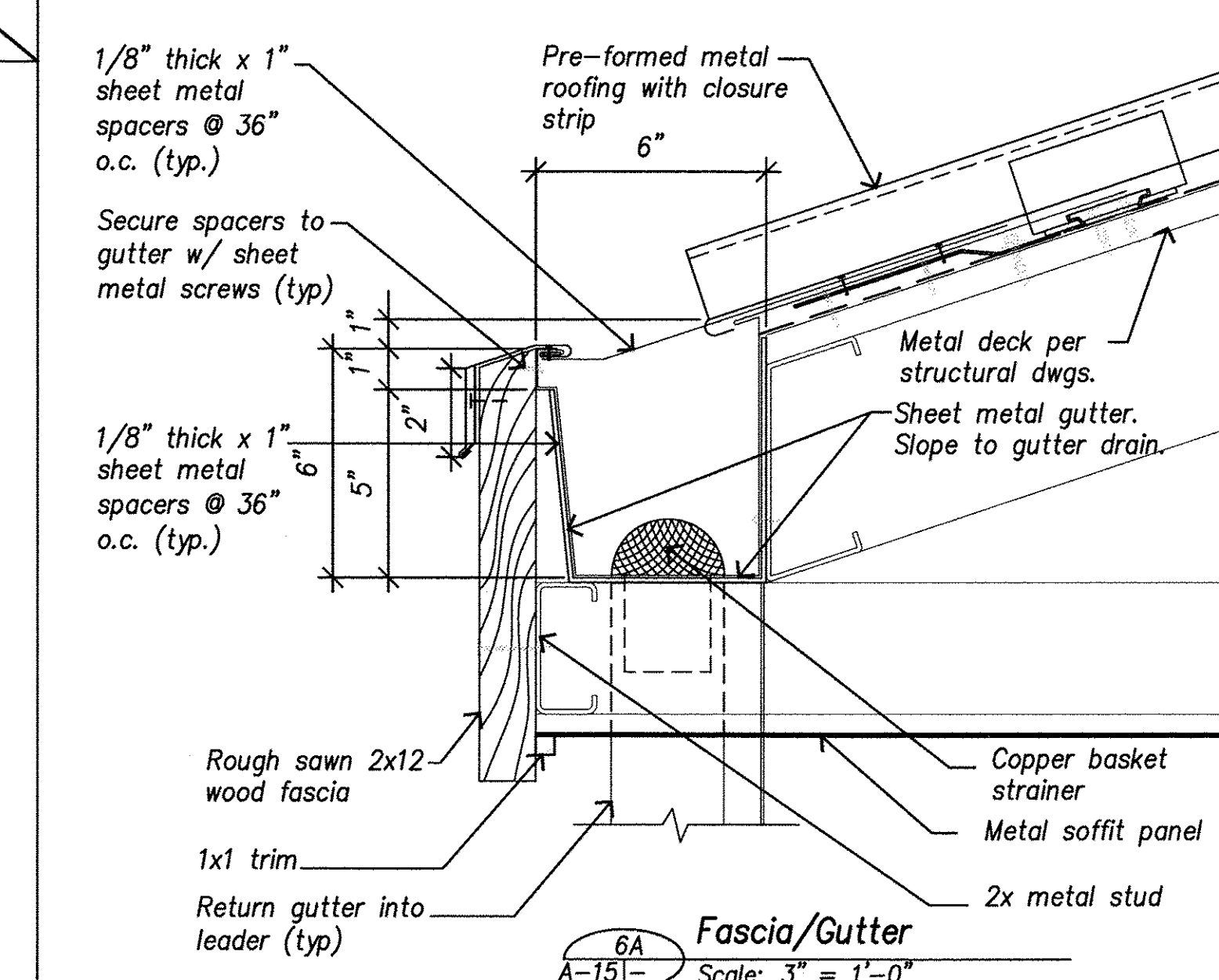
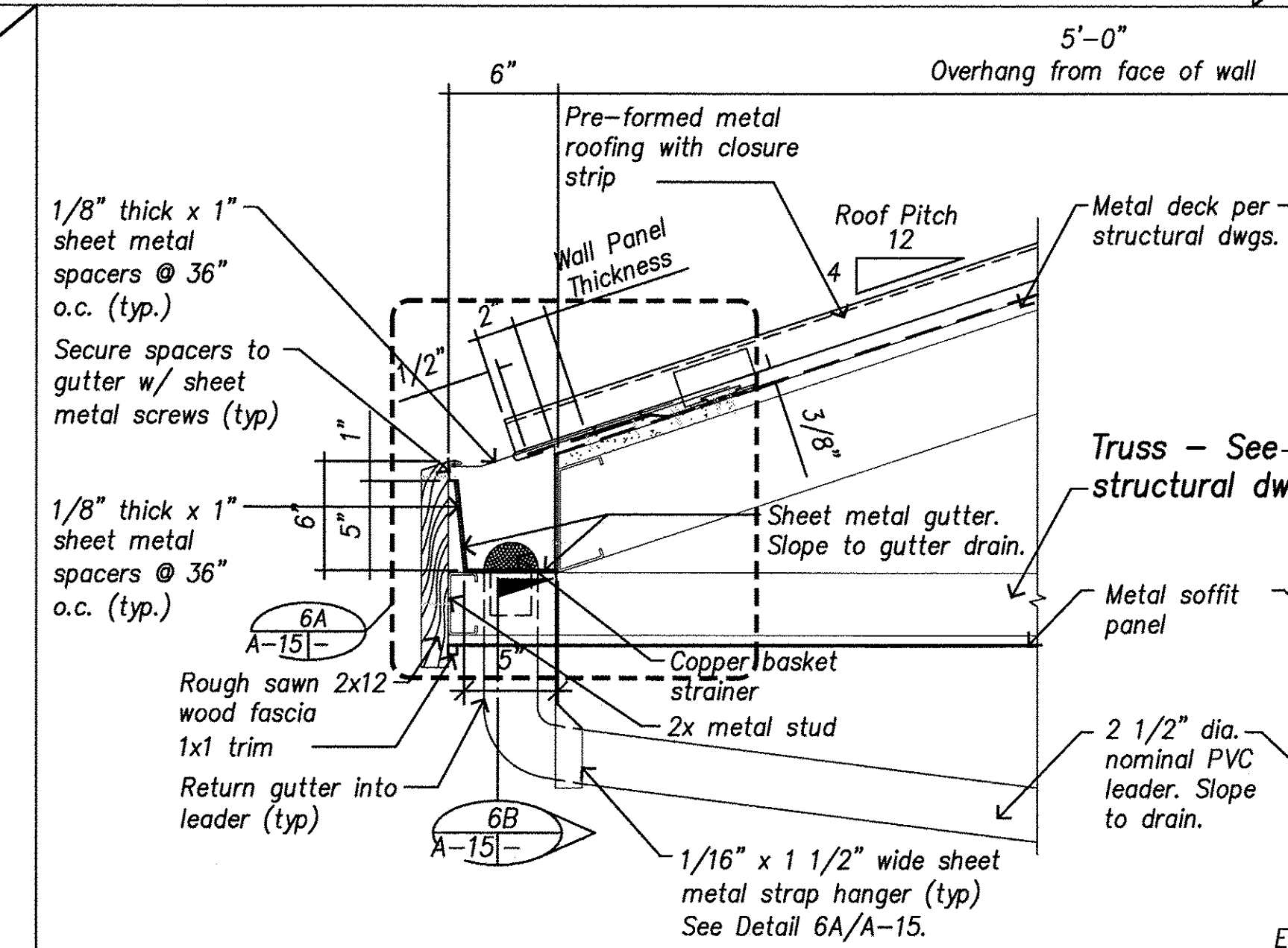
Peak Flashing
A-15 Scale: 1 1/2" = 1'-0"



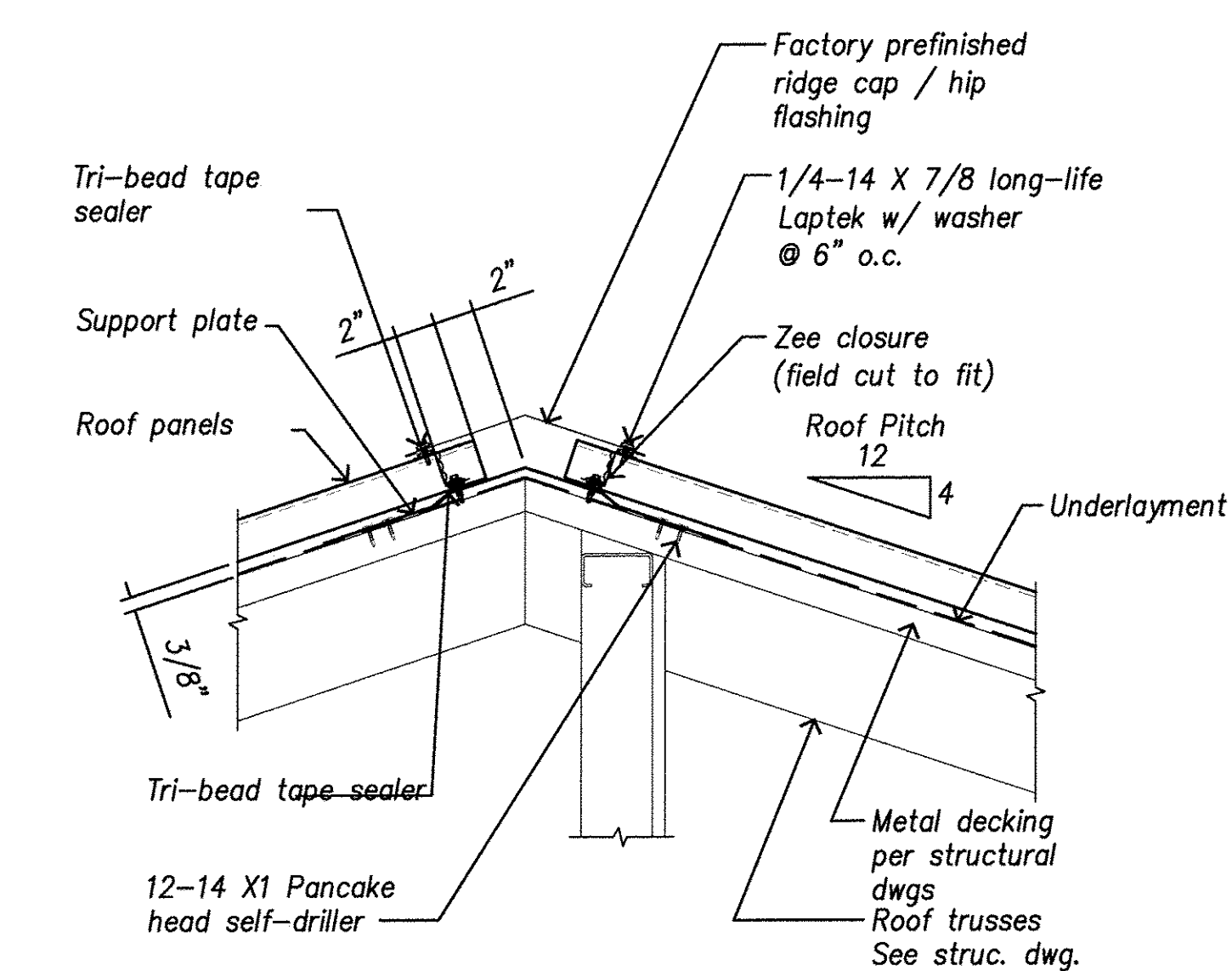
Rake Flashing
A-15 Scale: 1 1/2" = 1'-0"



Roof Flashing @ Wall
A-15 Scale: 1 1/2" = 1'-0"

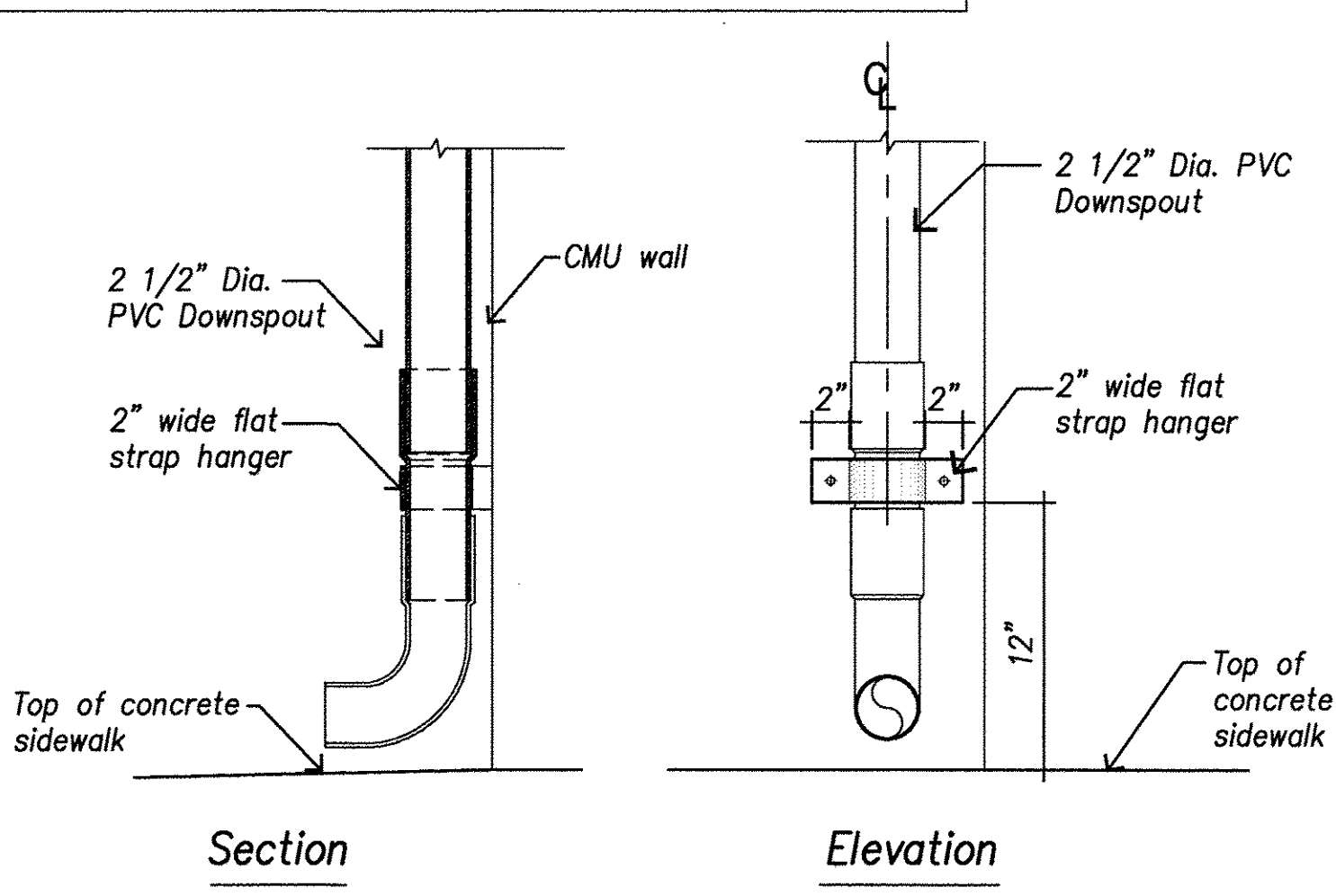


Gutter
A-15 Scale: 1 1/2" = 1'-0"



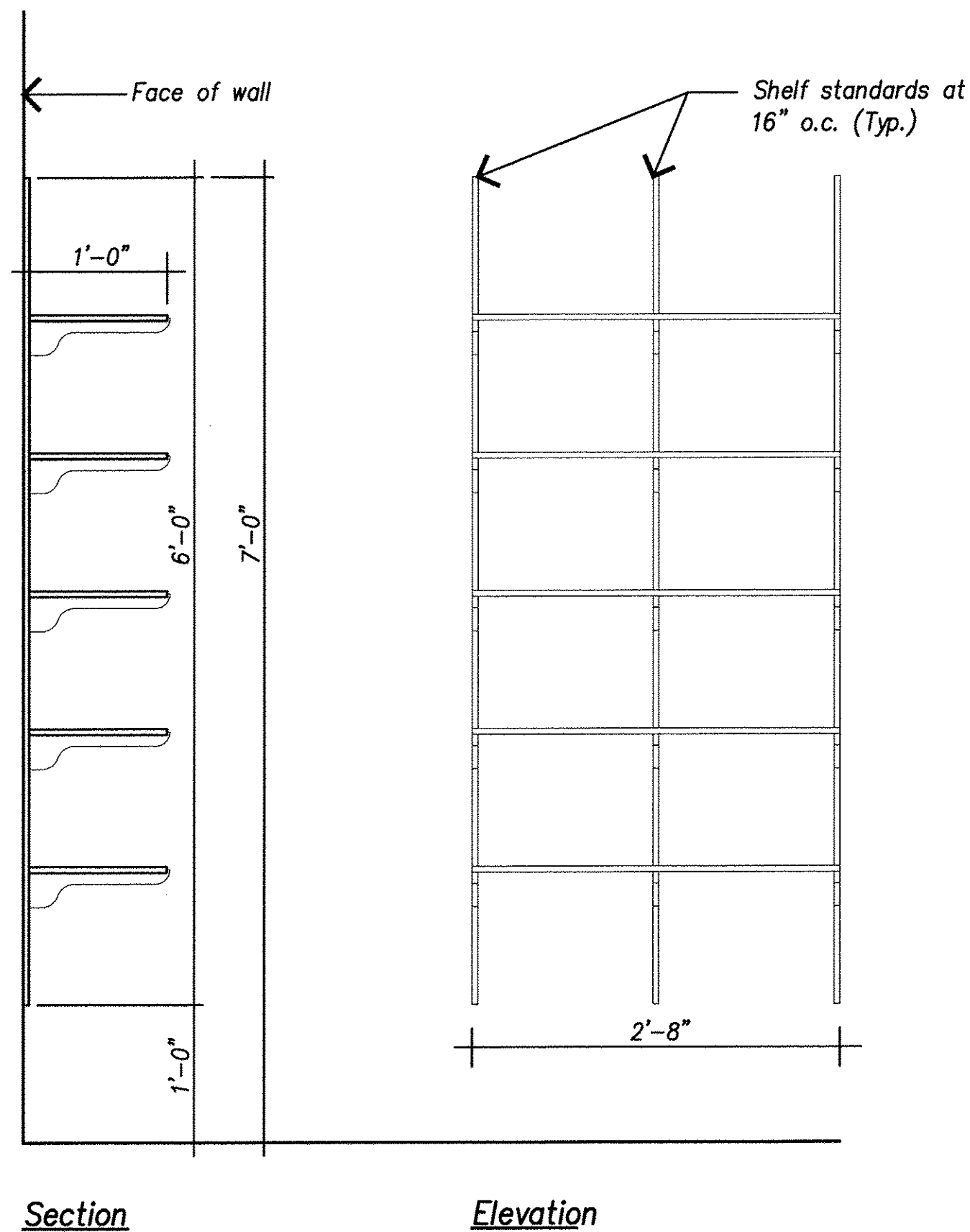
Ridge Cap
A-15 Scale: 1 1/2" = 1'-0"

Notes:
1. Coordinate location of downspouts and drain lines with locations of expansion joints. See structural drawings.



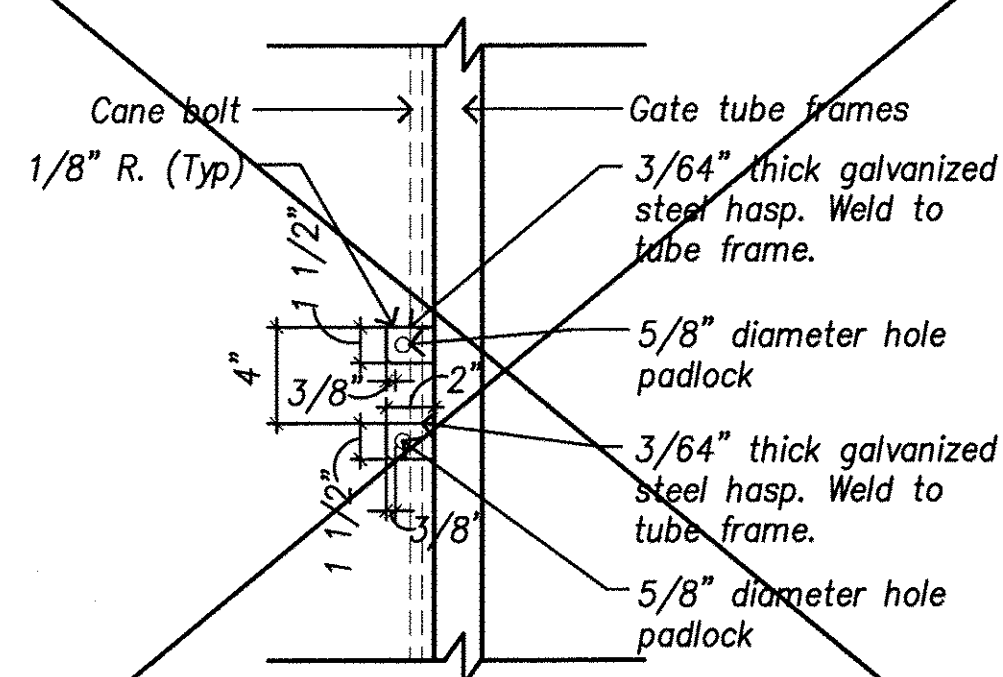
Downspout Details
A-15 Scale: 1 1/2" = 1'-0"

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
<div style="display: flex; justify-content: space-between;"> <div> <p>ALVIN M. YOSHIMORI LICENSED PROFESSIONAL ARCHITECT No. 2714 HAWAII, U.S.A.</p> <p>LICENSE EXPIRATION DATE: 4-30-2018</p> <p>THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.</p> <p>(Observation of Construction as defined in the Hawaii Administrative Rules, Dept. of Commerce and Consumer Affairs, Professional Engineers, Architects, Surveyors and Landscape Architects)</p> </div> <div> <p>STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION CENTRAL MAUI REGIONAL SPORTS COMPLEX PHASE 4 WAILUKU, MAUI, HAWAII</p> <p>DETAILS</p> </div> </div>					
DESIGNED: AY		SUBMITTED: AY			
DRAWN: LE, RA		DATE: AUGUST 2016			
CHECKED: AY		SCALE: AS NOTED			
APPROVED:		AUG - 8 2016		DRAWING NO. A-15	
SIGNATURE		DATE		CHIEF ENGINEER	

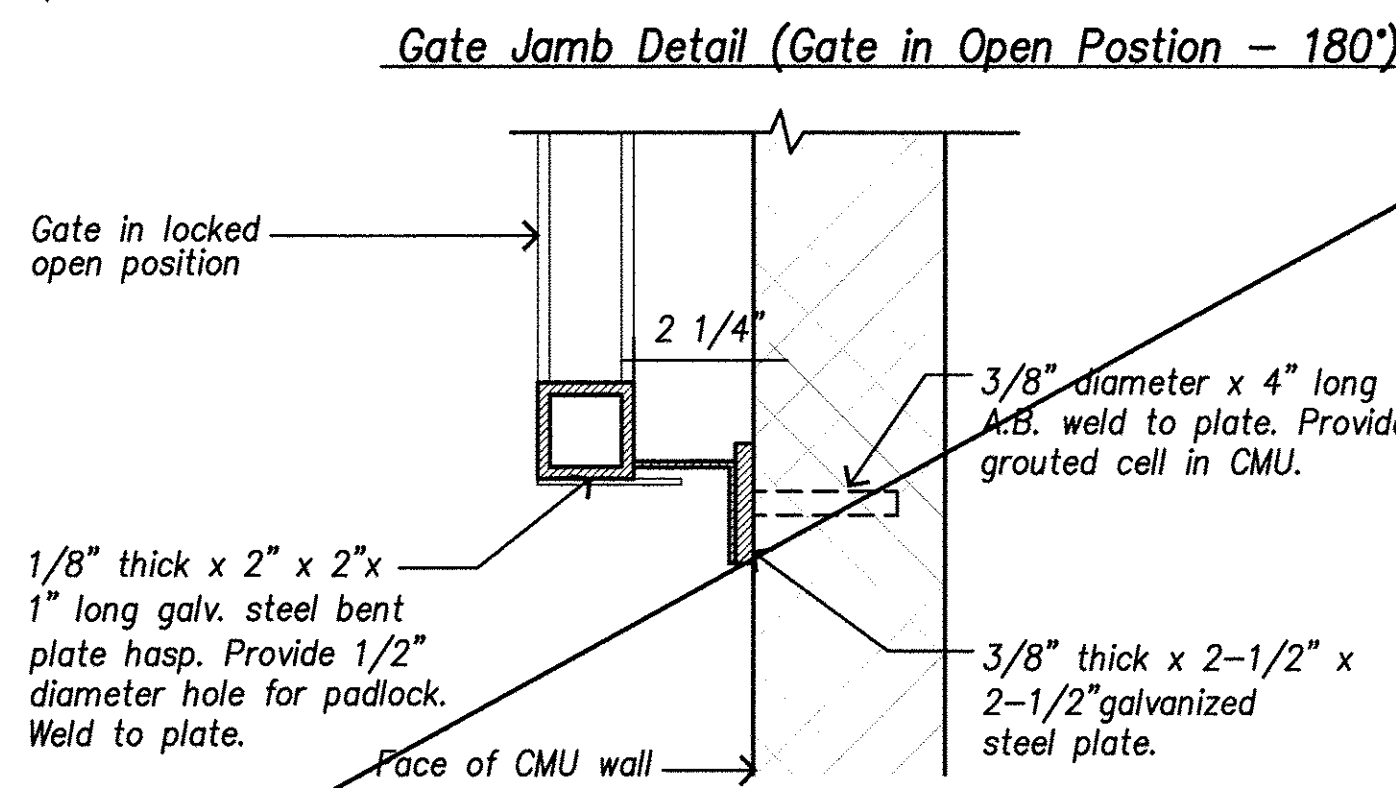
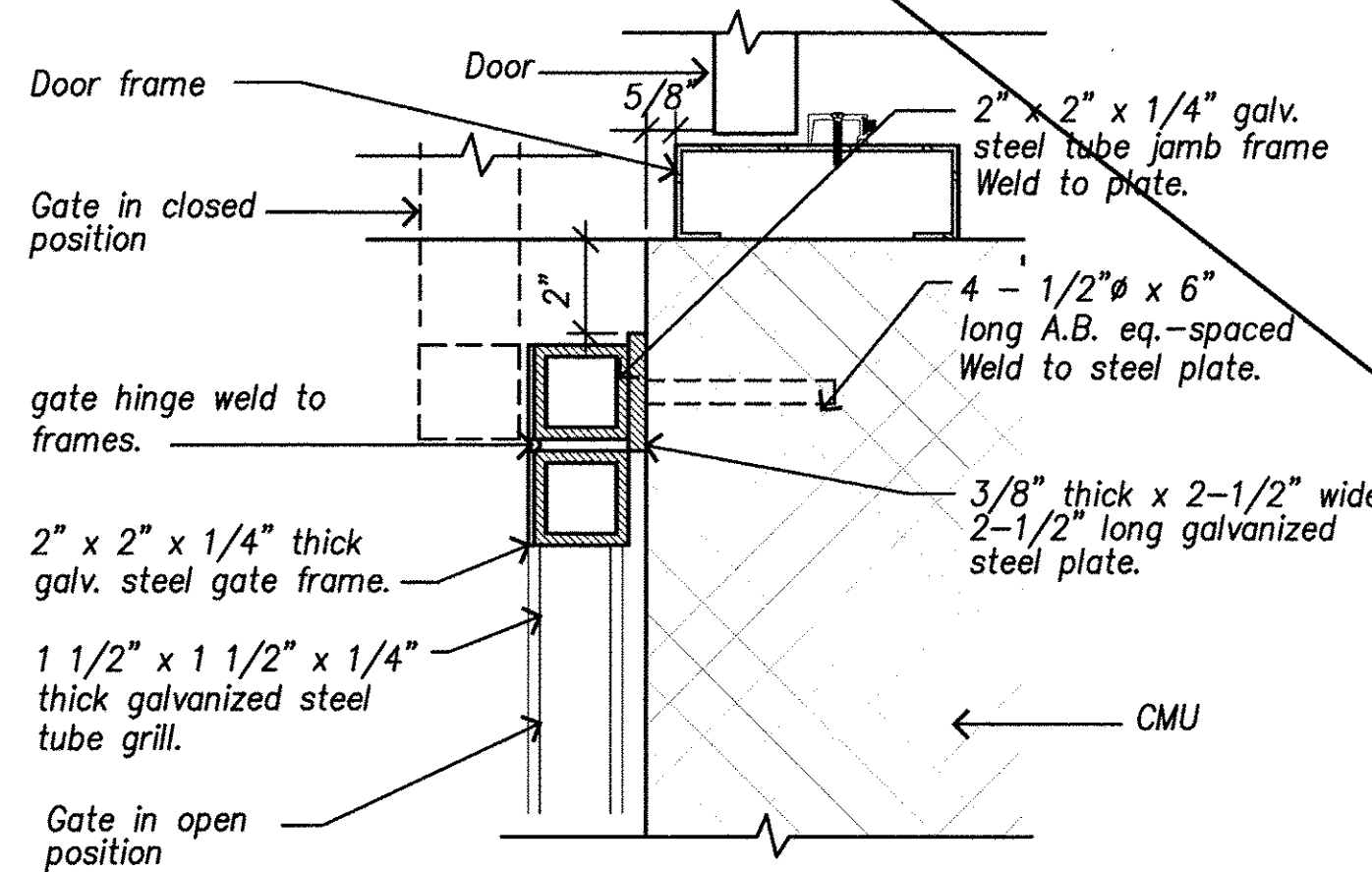
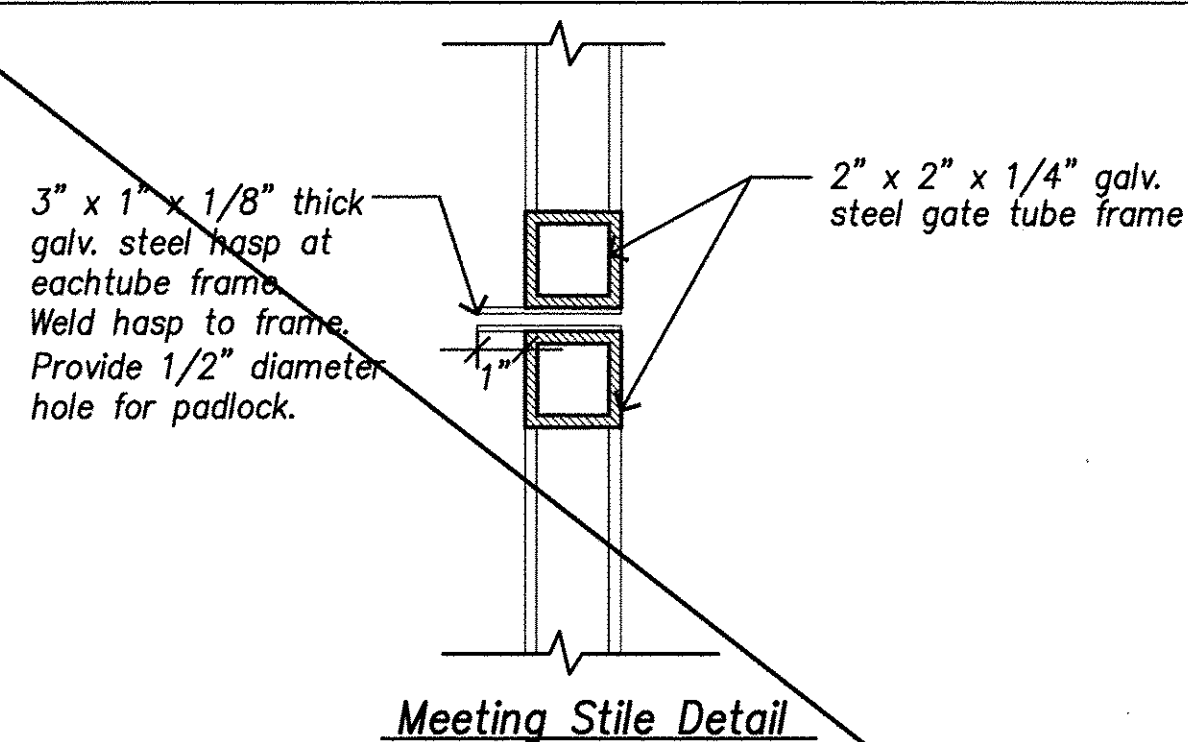
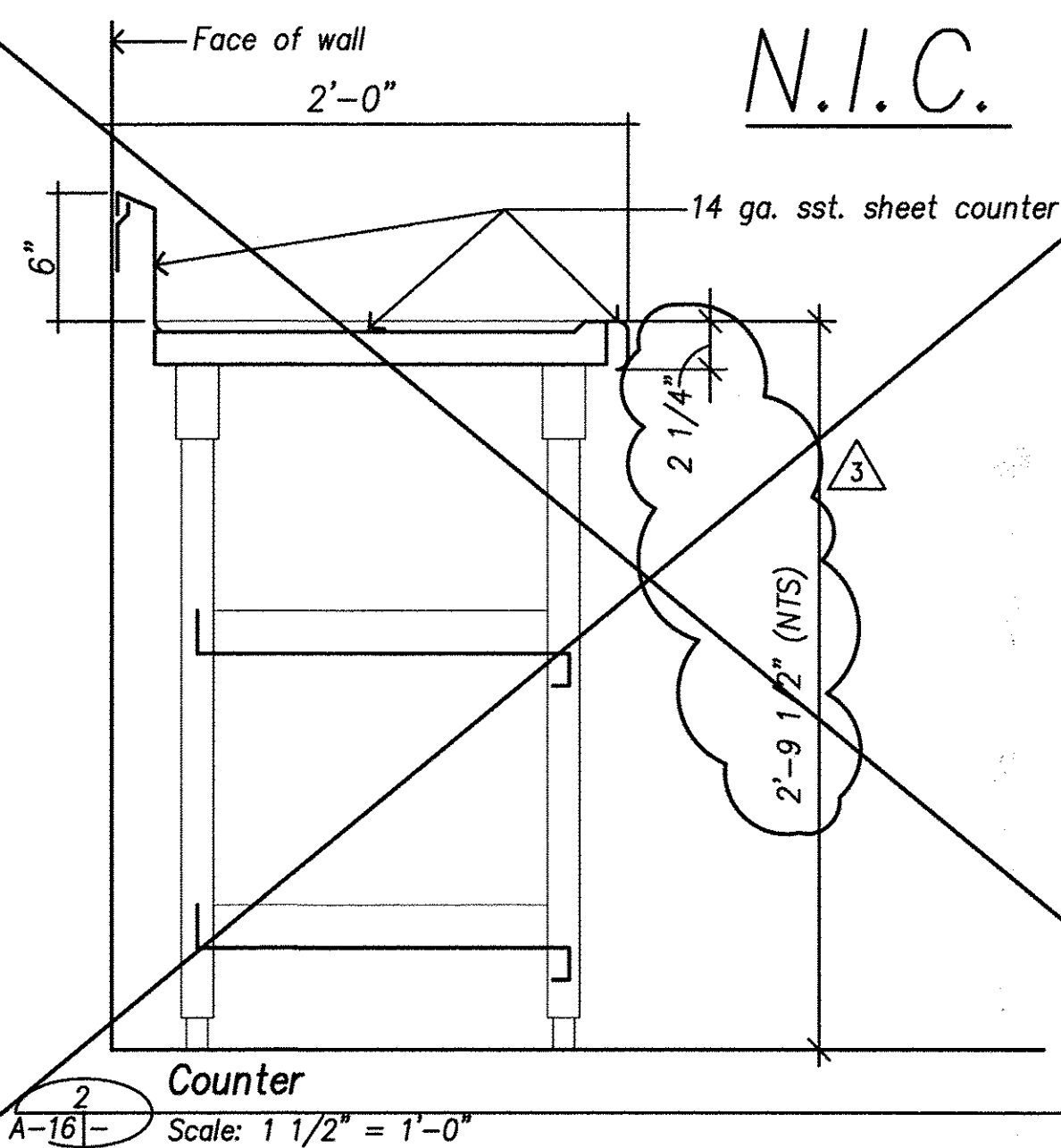


1 Metal Shelves in Storage
Scale: 1" = 1'-0"

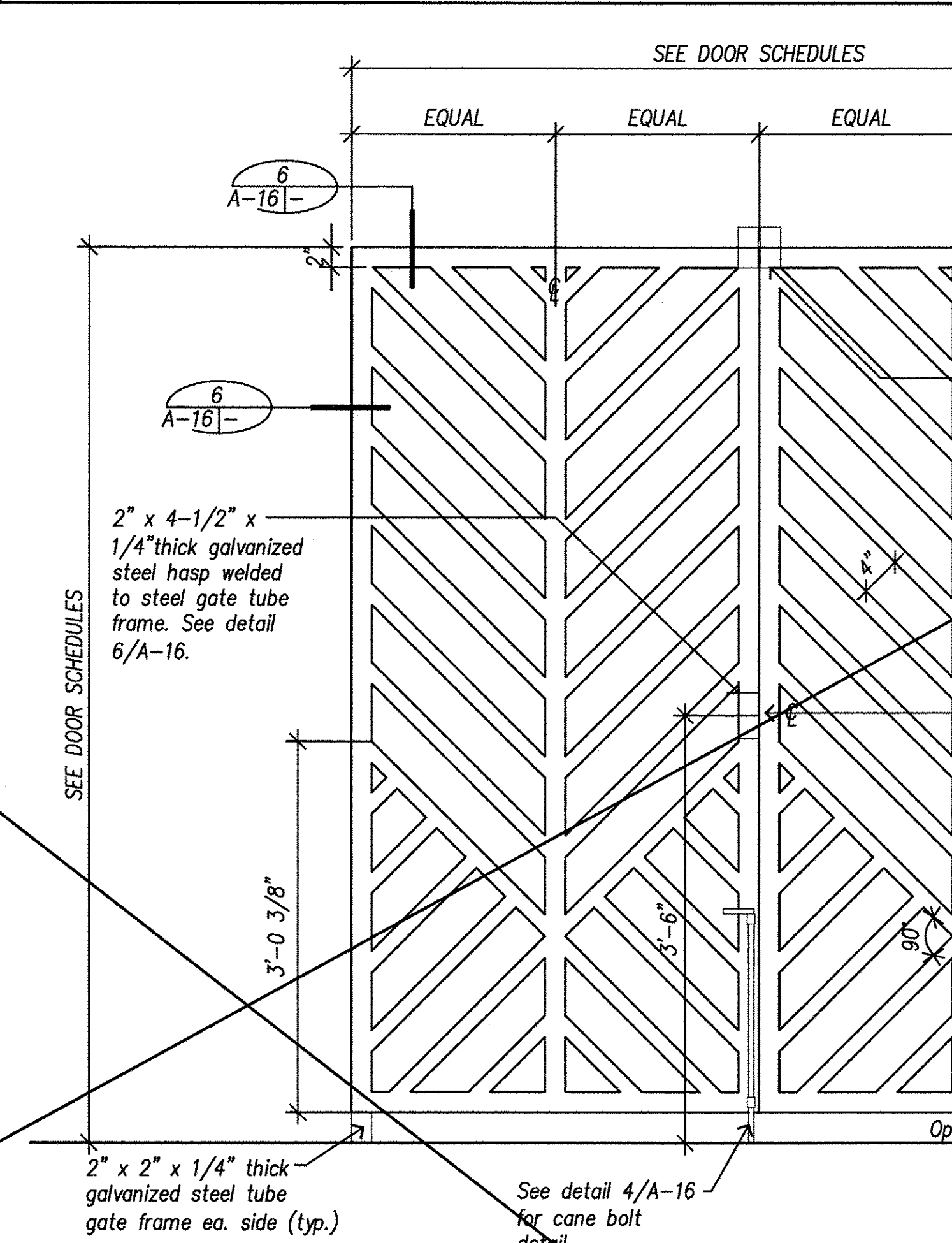
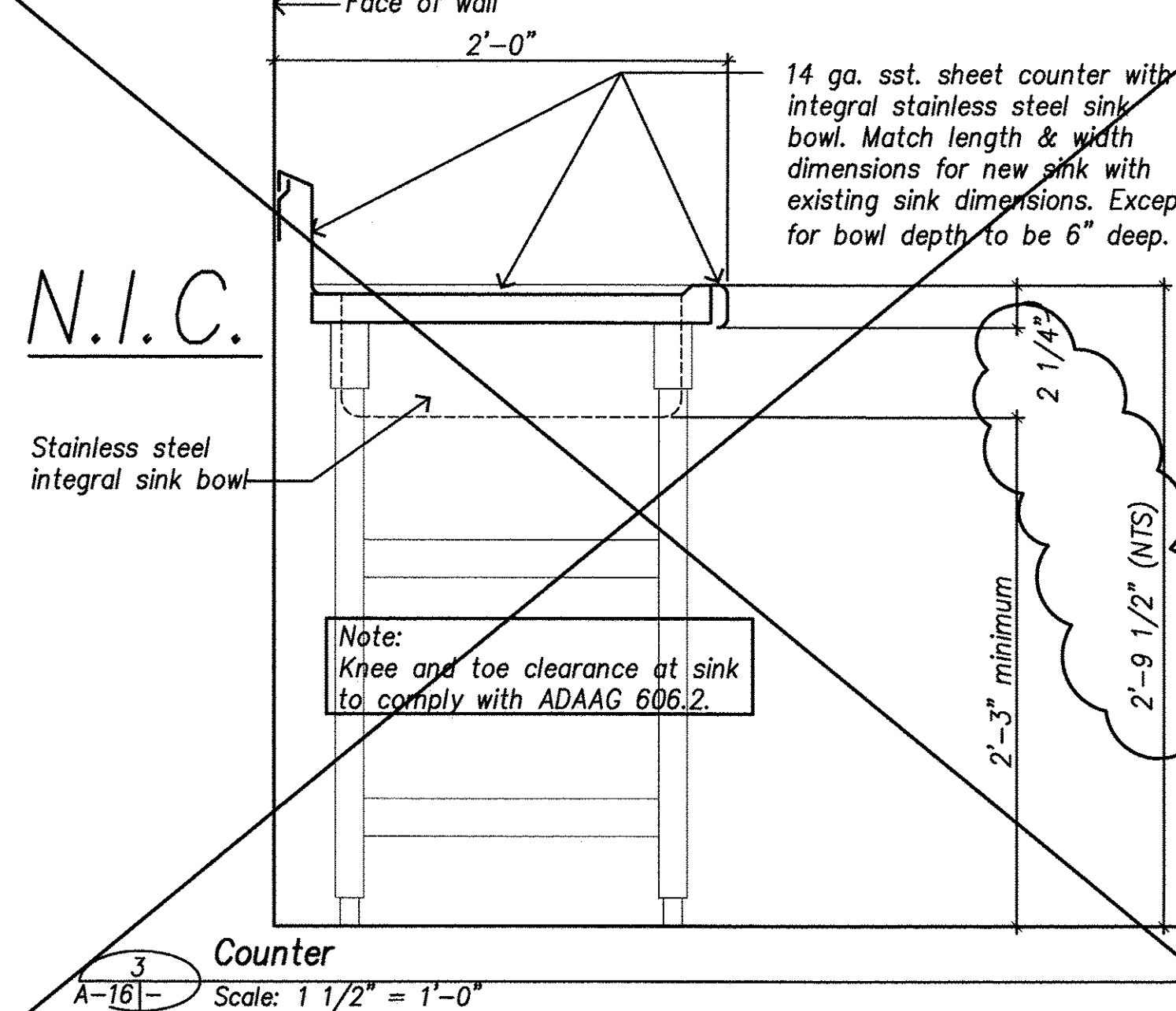
N.I.C.



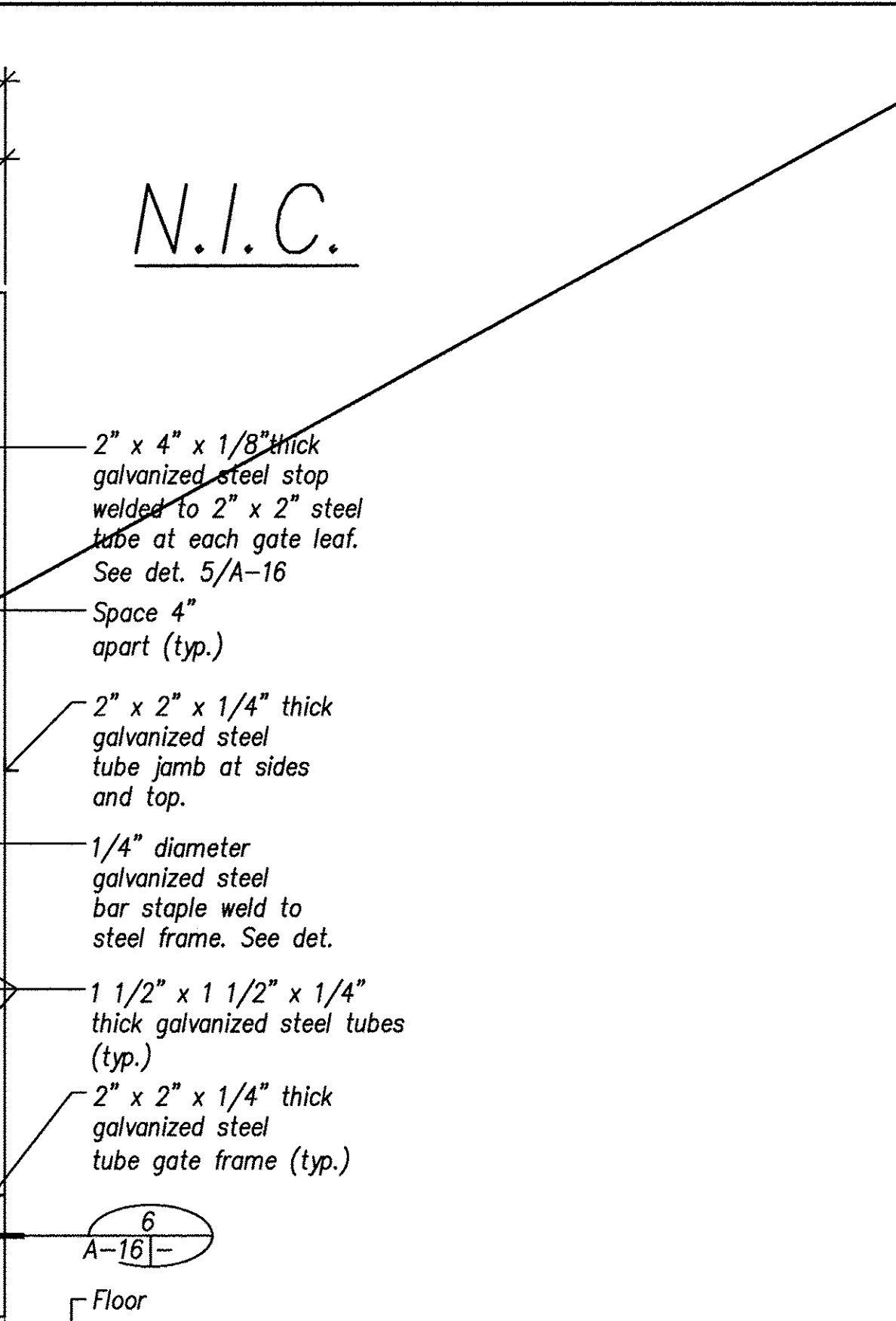
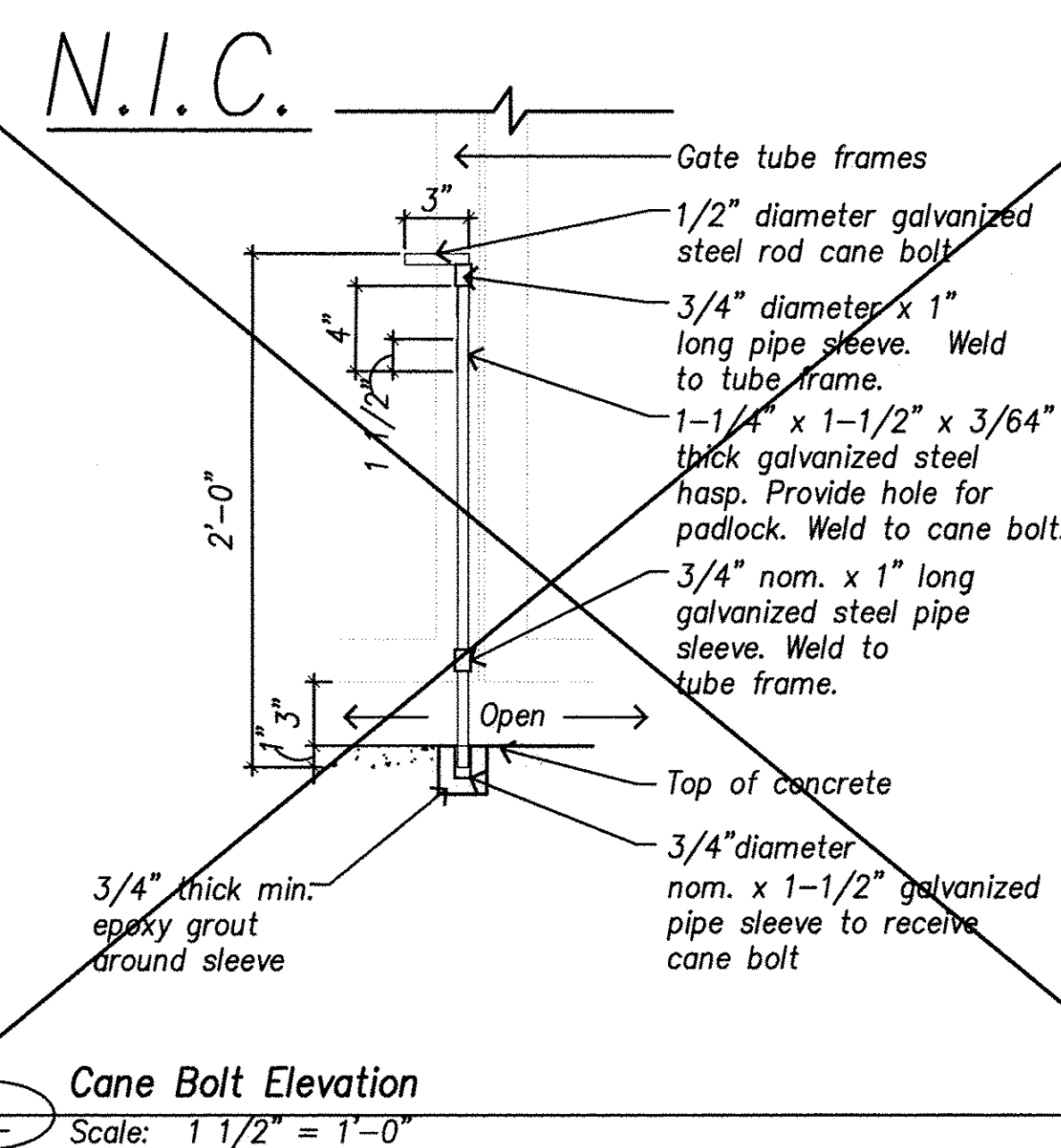
5 Hasp Detail
Scale: 1 1/2" = 1'-0"



6 Double Gate Details (Single Leaf Similar)
Scale: 3" = 1'-0"



7 Exterior Double Gate
Scale: 1" = 1'-0"



REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
1		STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION CENTRAL MAUI REGIONAL SPORTS COMPLEX PHASE 4 WAILUKU, MAUI, HAWAII			
2		DETAILS			
3		DESIGNED: AY	SUBMITTED: AY		
4		DRAWN: LE, RA	DATE: AUGUST 2016		
5		CHECKED: AY	SCALE: AS NOTED		
6		APPROVED: [Signature]	DATE: AUG - 8 2016		
7		CHIEF ENGINEER	DATE		
8					
9					
10					